

USAFETAC/DS-79/012

DA070144

**DATA PROCESSING BRANCH
USAFETAC
Air Weather Service (MAC)**

REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS

FORT CARSON CO/BUTTS AAF
N 38° 41' W 104° 46' FLD ELEV 5838 FT KFCS WMO# 72466
WBAN# 94015
PARTS A-F

POR FROM HOURLY OBS: SEP 66-AUG 75
POR FROM DAILY OBS: SEP 66-AUG 75

JAN 06 1976


**FEDERAL BUILDING
ASHEVILLE, N. C.**

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This technical report has been reviewed and is approved for publication.



MICHAEL W. PRESTON
SMSgt, USAF
USAFETAC Reviewer

FOR THE COMMANDER



WALTER S. BURGMANN
Scientific & Technical
Information Officer

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THIS SHEET



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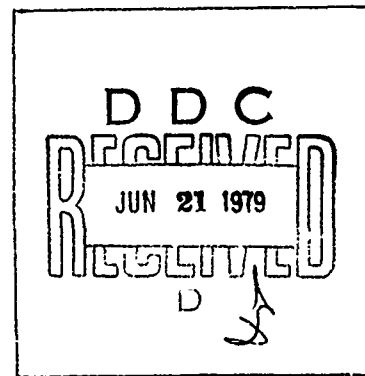
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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM															
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17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)																	
18. SUPPLEMENTARY NOTES																	
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) <table border="0"> <tr> <td>*RUSSWO</td> <td>Daily temperature</td> <td>Atmospheric pressure</td> </tr> <tr> <td>Snowfall</td> <td>Extreme snow depth</td> <td>Extreme surface winds</td> </tr> <tr> <td>Climatology</td> <td>Sea-level pressure</td> <td>Psychrometric summary</td> </tr> <tr> <td>Surface Winds</td> <td>Extreme temperature</td> <td>Ceiling versus visibility</td> </tr> <tr> <td>Relative humidity</td> <td>*Climatological data</td> <td>(over)</td> </tr> </table>			*RUSSWO	Daily temperature	Atmospheric pressure	Snowfall	Extreme snow depth	Extreme surface winds	Climatology	Sea-level pressure	Psychrometric summary	Surface Winds	Extreme temperature	Ceiling versus visibility	Relative humidity	*Climatological data	(over)
*RUSSWO	Daily temperature	Atmospheric pressure															
Snowfall	Extreme snow depth	Extreme surface winds															
Climatology	Sea-level pressure	Psychrometric summary															
Surface Winds	Extreme temperature	Ceiling versus visibility															
Relative humidity	*Climatological data	(over)															
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report is a six-part statistical summary of surface weather observations for Fort Carson, Butts AAF, Colorado it contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling Versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over))																	

19. Percentqge frequency of distribution tables
Dry-bulb temperature versus wet-hulb temperature
Cumulative percentage frequency of distribution tables

* Colorado

* Butts AAF CO

20. and dew-point temperatures and relative humidity); and (F) Pressure
Summary (means, standard, deviations, and observation counts of
station pressure and sea-level pressure). Data in this report are
presented in tabular form, in most cases in percentage frequency of
occurrence or cumulative percentage frequency of occurrence tables.

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SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)

THE EXTREME VALUES COULD CONTAIN SUSPECT OR QUESTIONABLE DATA. SUCH CASES USUALLY APPEAR IN THE TABULATIONS AS A PERCENTAGE FREQUENCY OF ".0", WHICH USUALLY INDICATES ONLY ONE OCCURRENCE. THESE MAY OR MAY NOT BE COMPLETELY VALID, BUT THE USER SHOULD NOT DISREGARD THEM ENTIRELY. OBVIOUS ERRORS OR IMPOSSIBLE CONDITIONS HAVE BEEN LINED THROUGH IN BLACK INK.

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY

SKYCOVER

PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC-DRY VS WET BULB

MEAN & STD DEV (DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE

STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY 00-02

FEBRUARY 00-02

MARCH 00-02

APRIL 00-02

MAY 00-02

JUNE 00-02

JULY 00-02

AUGUST

SEPTEMBER

OCTOBER 00-02

NOVEMBER 00-02

DECEMBER 00-02, 03-05

CLIMATOLOGY SUMMARY FOR 1978

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Average Temperature	22	30	38	42	55	70	76	70	65	54	41	27
Average Max Temp	30	41	48	51	64	82	90	83	79	66	52	36
Average Min Temp	14	19	27	33	45	57	61	57	50	42	30	17
Max for Month	56	61	76	80	90	93	99	94	89	81	78	54
Precip Inches (Includes water Equivalent at Solid)	.17	.30	.07	.01	3.4	.33	3.17	1.45	.08	.98	.29	.95
Snow Inches	2.0	4.5	.7	T	3.2	Ø	Ø	Ø	T	T	1.0	11.4
Days of Precip 0.01 inches or greater	5	4	4	.1	6	4	9	6	2	2	1	4
Precip days (trace or greater)	9	12	13	3	10	10	12	16	2	2	6	4
Snow Days (trace or greater)	9	9	9	1	2	Ø	Ø	Ø	1	1	6	5
Days Clear (0.2 or less Cloud cover)	Ø	Ø	2	Ø	1	Ø	Ø	2	3	1	2	4
Days Cloudy (0.6 or more cloud cover)	8	7	9	2	6	3	1	1	1	3	3	7
Max Winds Knots	35	22	30	55	43	47	44	52	50	46	28	40
MPH	40	25	35	63	49	54	51	60	58	53	32	46
Max Snow depth Inches	1	5	.05	T	3	Ø	Ø	Ø	T	Ø	T	9

STATION NO ON SUMMARY		STATION NAME		LATITUDE		LONGITUDE		FIELD ELEV (FT)		CALL SIGN		WMO NUMBER	
94015		FORT CARSON COLORADO/BUTTS AAF		38 41N		105 46W		5838		KFCS		72468	
STATION LOCATION AND INSTRUMENTATION HISTORY													
NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE NSL		OBS PER DAY				
			FROM	TO			FIELD (FT)	HT. BAND.					
1	Butts AAF, Ft Carson Colorado	AAF	Sep 66	Mar 71	38 41N	105 46W	5838	5844	12-17				
2	Same	Same	Apr 71	Mar 74	Same	Same	Same	5838	17				
3	Same	Same	Apr 74	Aug 75	Same	Same	Same	Same	Same				
NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE							
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND								
1	9 Sep 66	Located near end of runway 12	AN/GMQ-11	None	8 ft								
2	4 May 67	Same	Same	RO-2	8 ft								
3	4 Mar 68	Located 450 ft from centerline, 350 ft from end of runway 12,	Same	Same	Same								
4	4 Apr 71	Located 350 ft West of centerline, 1100 ft from end of runway 12	Same	Same	Same								
5	Aug 75	Same	AN/GMQ20	Same	Same								

USAFETAC

FORM NOV 73

0-19 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

CONTINUED ON REVERSE SIDE

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PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .01 percent, which is usually only one occurrence. The various phenomena included in each category on the form, listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

DATA PROCESSING BRANCH
USAF ETAC
AFD WEATHER SERVICE/4AC

WEATHER CONDITIONS

94015 FORT CARSON CO/BUTTS AAF 66-75 ALL
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL		.1	.2	7.8		9.0	2.8	.1	.4		3.4	4010
FEB			.3	.5	9.8		10.2	3.2	.1	.2	.0	3.4	3637
MAR		.0	1.0	.2	11.9		12.8	6.4	.4	.2	.0	7.3	4280
APR		.5	2.8	.3	8.4	.1	11.0	2.9	.1	.2		3.5	4100
MAY		2.7	7.7		.7	.1	9.3	1.9	.1			1.9	4274
JUN		3.7	5.6			.1	5.6	.9				1.2	4281
JUL		7.1	2.6			.1	9.6	1.1				1.1	4449
AUG		4.0	5.2			.1	5.2	1.1			.0	1.2	4427
SEP		1.2	5.2	.1	.9	.1	5.9	2.6	.0			2.6	4004
OCT		.1	4.8	.2	2.8		7.7	4.0	.0			4.0	4115
NOV			.6	.4	4.8		5.4	3.3	.0	.1		3.4	3782
DEC		.0	.2	.0	9.5		3.6	4.6	.1	.5	.0	5.2	3783
TOTALS		1.5	3.5	.2	4.7	.1	9.2	2.9	.1	.2	.0	3.2	49210

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

94015 FORT CARSON CO/BUTTS AAF 67-75 JAN
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN.	00-02												
	03-05				3.3		1.3						30
	06-08		.1	.7	11.7		12.1	4.3		1.2		5.5	752
	09-11		.1	.1	9.8		9.9	5.6		.1		5.7	809
	12-14		.3		6.7		6.8	3.0	.1			3.1	779
	15-17		.1		7.5		7.7	2.6		.1		2.7	731
	18-20		.2	.1	9.4		9.7	1.8	.7	.9		3.3	607
	21-23			.3	7.1		7.5	2.6		1.3		3.6	308
TOTALS			.1	.2	7.6		6.0	2.4	.1	.5		3.4	4016

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAJ

WEATHER CONDITIONS

94015 FORT CARSON CO/BUTTS AAF

67-75

FFB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	00-02												
	03-05				7.9		7.9						38
	06-08		.2	.9	11.1		11.6	4.3	.3			4.6	656
	09-11			1.9	8.8		8.8	4.3	.6			4.5	719
	12-14		.2	.6	6.8		7.1	2.8		.7		3.4	707
	15-17		.7	1.0	10.8		12.0	3.9		.7	.1	4.4	675
	18-20		.4		10.3		10.6	2.9		.7		2.9	556
	21-23		.7		12.6		13.3	4.2				4.2	286
TOTALS			.2	.5	9.6		10.2	3.2	.1	.2	.0	3.4	3637

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

94015 FORT CARSON C1/BUTTS AAF 07-75 MAR
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	00-02												
	03-05		1.4		9.5		11.8	13.5				13.5	74
	06-08	.3	.8	1.0	12.2		13.7	8.4	.4	.1	.1	9.0	776
	09-11		.7	.2	13.3		13.9	8.1	1.2	.4		9.3	854
	12-14	.2	.2		11.9		12.0	5.5	1.0	.4		6.7	842
	15-17		1.2		11.7		12.6	4.9	.1	.6		5.5	777
	18-20		1.7		11.4		12.5	3.7				3.7	656
	21-23		1.0		13.6		14.3	3.3				3.3	301
TOTALS		.0	1.0	.2	11.9		12.8	6.8	.4	.2	.0	7.3	4280

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

94015 FORT CARSON CO/BUTTS AAF
STATION STATION NAME

67-75
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
APR	00-02												
	03-05	1.4		1.4	9.5		9.5	5.4		1.4		5.4	74
	06-08		4.3	.4	9.8		13.4	4.8	.4	.7		5.5	144
	09-11	.1	1.9		7.2	.1	9.2	3.2	.1	.4		3.6	809
	12-14	.9	2.6		9.1	.4	11.4	1.8		1.5		3.3	813
	15-17	.9	4.2		10.7	.1	14.6	2.1		1.6		3.6	169
	18-20	.3	4.3	.2	9.6		12.7	1.9		.2		2.1	628
	21-23		2.2		3.7		6.9	1.1				1.1	267
TOTALS		.5	2.8	.3	8.4	.1	11.9	2.9	.1	.8		3.5	4100

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

94015

FORT CARSON CO/BUTTS AAF

67-75

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	00-02												
	03-05		6.7		.5		7.2	5.1	.5			5.1	195
	06-08	.4	7.6		.4		7.9	4.6				4.6	776
	09-11	1.1	6.8		1.0	.2	7.1	1.7	.2			1.8	828
	12-14	5.9	8.9		.9	.3	7.5						877
	15-17	5.7	9.0		.4	.1	7.6	.4				.4	753
	18-20	4.3	9.3		1.3		10.6	1.0				1.0	698
	21-23	1.4	5.4		.7		6.1	.7				.7	147
TOTALS		2.7	7.7		.7	.1	8.3	1.9	.1			1.9	4274

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/TAC

WEATHER CONDITIONS

94015

FORT CARSON CO/BUTTS AAF

67-75

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JUL	00-02												
	03-05		3.6				3.6	2.1				2.1	194
	06-08	.5	5.4			.4	5.5	2.3				2.3	775
	09-11	1.3	3.4				3.4	.9				.9	799
	12-14	7.2	5.0			.1	5.1	.3				.3	862
	15-17	10.2	10.7			.2	10.8	.2				.2	806
	18-20	4.7	7.6				7.6	.7				.7	677
	21-23	2.0	3.4				3.4						148
TOTALS		3.7	5.6			.1	5.6	.9				.9	4281

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

94015 FORT CARSON CO/BUTTS AAF

67-75

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	00-04												
	04-08		2.8				2.8	3.8				3.8	211
	08-12		4.0				4.0	2.0				2.0	783
	12-16	1.1	3.8				3.8	1.1				1.1	829
	16-20	12.4	9.3			.2	9.4	.6				.6	906
	20-24	16.4	14.6			.2	14.8	.4				.4	829
	24-28	12.7	14.7				14.7	.1				.1	723
	28-31	7.0	11.0				11.0						172
TOTALS		7.1	8.6			.1	9.6	1.1				1.1	4449

WEATHER CONDITIONS

49

MONTH

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG.	00-02												6
	03-05	.4	.9				.9	3.5				3.5	226
	06-08	.5	1.8				1.3	2.1				2.1	811
	09-11	.1	3.2				3.2	1.3				1.3	832
	12-14	5.0	6.3			.2	6.4	.8				.8	877
	15-17	10.3	10.6				10.6	.5				.5	828
	18-20	2.4	10.9			.1	11.0	.6			.1	1.0	735
	21-23	6.1	7.8				7.8						180
		31.8											
TOTALS		4.0	5.2			.0	5.2	1.1			.0	1.2	4497

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

94015

FORT CARSON CO/BUTTS AAF

66-74

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	00-07												10
	08-09		9.3	.5	1.9		11.1	5.6				5.6	216
	06-07		6.8		1.3		8.1	7.7	.1			7.9	750
	09-11	.6	3.2		.5		4.0	3.1				3.1	781
	12-14	1.3	2.6		.7	.1	3.3	1.3				1.3	760
	15-17	2.9	6.2		.7	.1	6.5	.9				.9	688
	18-20	3.5	7.5		.5		7.9	.8				.8	629
	21-23	1.3	5.7		.6		6.3	1.3				1.3	150
TOTALS		1.2	5.2	.1	.8	.0	5.9	2.6	.0			2.6	4004

DATA PROCESSING BRANCH
USAF ETAC
AFW WEATHER SERVICE/440

WEATHER CONDITIONS

94015 FORT CARSON CO/BUTTS AAF 66-74 JCT
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	PALE	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JCT	00-02												
	03-05		5.3	.6	1.2		7.1	3.6				3.6	169
	06-08		3.3	.6	3.5		7.0	6.0	.1			6.0	781
	09-11		3.7	.4	4.1		7.2	4.8				4.8	832
	12-14	.3	4.4		2.6		7.0	3.8				3.8	799
	15-17	.4	4.0		2.5		6.3	2.9				2.9	731
	18-20		5.4		2.4		7.8	2.7				2.7	622
	21-23		7.3		3.4		10.7	3.9				3.9	178
TOTALS		.1	4.8	.2	2.8		7.7	4.0	.0			4.0	4115

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/PAO

WEATHER CONDITIONS

94015 FORT CARSON CO/BUTTS AAF

66-74

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	00-01												
	02-05												20
	06-08		.3	1.5	4.8		6.0	5.5		.1		5.7	668
	09-11		.5	.5	7.8		7.9	5.1	.1	.7		5.4	784
	12-14		.3		6.2		6.3	3.7				3.7	763
	15-17		.1		3.8		4.0	3.1		.2		3.2	680
	18-20		1.1		5.7		6.8	2.6		.2		2.2	545
	21-23		1.6	.6	5.0		6.5	3.7				3.7	322
TOTALS			.6	.4	4.8		5.4	3.3	.0	.1		3.4	3782

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAJ

WEATHER CONDITIONS

94015 FORT CARSON CO/BUTTS AAF

66-74

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	00-02												
	03-05												
	06-08		.7	.1	9.6		10.1	4.5		.2	.1	5.3	716
	09-11				8.2		4.8	5.5	.1	.1		5.8	194
	12-14				7.9		7.9	4.3	.3	.5		5.0	147
	15-17				7.1		7.1	3.0		.2		4.1	665
	18-20	.2	.4		12.0		12.2	5.1		.2		5.3	541
	21-23				11.5		11.5	4.5		1.3		5.8	312
TOTALS		.0	.2	.0	9.5		7.6	4.6	.1	.5	.0	5.2	3783

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.
- (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
- (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than 5/8 mile.

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

XXXXXXXXXXXXXXXXXXXX
XX **WEATHER CONDITIONS** XX
XXXXXXXXXXXXXXXXXXXX
ATMOSPHERIC PHENOMENA

94015 FORT CARSON CO/BUTTS AFB 66-75 ALL
STATION STATION NAME YEARS MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JAN	DAILY		3.1	1.1	19.1		29.2	14.5	.4	2.7		16.4	262
FEB			4.1	1.2	21.3		22.5	12.3	1.2	.2		12.7	244
MAR		.7	4.8	1.1	28.1		29.3	19.3	2.2	1.5		20.4	270
APR		4.7	14.3	.8	14.3	1.2	24.0	8.9	.4	1.2		9.7	258
MAY		20.9	33.3		3.7	2.6	34.4	9.9	1.1			2.9	273
JUN		33.1	38.7		.9	2.6	37.7	3.8				3.8	266
JUL		46.7	50.7			1.4	50.7	5.4				5.4	276
AUG		31.5	41.2			1.1	41.2	6.1				6.1	279
SEP		11.5	25.3	.4	2.4	.8	26.1	11.9	.4			12.3	253
OCT		1.1	14.3	.7	7.7		19.8	10.3	.7			10.6	273
NOV			5.5	1.6	13.3		16.1	11.4	.4	1.2		11.4	255
DEC		.4	1.9	.4	19.4		20.2	11.2	1.2	3.4		13.6	258
TOTALS		12.5	19.8	.6	10.8	.8	29.6	10.4	.7	.2		11.0	3167

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PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAILY PRECIPITATION	".00"	equals none for the month (hundredths)
EXTREME DAILY SNOWFALL	".0"	equals none for the month (tenths)
EXTREME DAILY SNOW DEPTH	"0"	equals none for the month (whole inches)

3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

- NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

Beginning thru 1945	at 0800LST
Jan 46-May 47	at 1230GMT
Jun 57-present	at 1200GMT

U. S. Navy and National Weather Service (USWB)

Beginning thru Jun 52	at 0030GMT
Jul 52-May 57	at 1230GMT
Jun 57-present	at 1200GMT

DATA PROCESSING BRANCH
USAF ETAC
AF WEATHER SERVICE/ SAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
(FROM DAILY OBSERVATIONS)

05017 FORT CARSON CO/BUTTS AFB

STATION	STATION NAME													YEARS				
PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01-04	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW-DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	11.7	16.2	1.7	0.3	2.7	1.7	0.0							2.2	174	1.76	4.4	
FEB	11.7	15.1	0.0	1.0	2.4	2.7		0.3						1.0	183	1.17	1.94	
MAR	6.7	15.6	1.0	5.4	2.7	4.4	2.5	1.1	.3					1.5	204	1.01	1.88	
APR	6.7	15.7	1.0	4.0	2.5	5.0	2.0	1.1						1.7	198	0.91	1.43	
MAY	42.0	10.1	2.7	5.8	4.8	4.3	2.4	1.7	1.0					21.7	287	1.67	3.27	
JUN	47.0	13.4	3.4	5.8	7.4	5.0	4.4	1.5	1.5					25.3	275	1.84	3.21	
JUL	1.2	18.3	0.0	7.4	3.2	13.3	7.0	3.1	2.6					45.5	211	3.33	7.22	
AUG	57.0	23.4	0.0	7.7	2.3	7.0	2.7	1.0	.9					30.4	217	1.67	7.45	
SEP	63.0	14.0	2.0	5.7	3.0	4.1	2.4	.7	.6					27.5	179	1.01	2.77	
OCT	70.7	4.0	3.0	4.3	3.8	2.0	.0	1.1						19.6	184	0.93	2.50	
NOV	31.0	7.2		2.9	2.3	7.3	1.1	1.1						0.8	174	0.8	1.93	
DEC	75.0	12.4	2.4	4.7	2.9	1.3								11.6	173	0.72	0.37	
ANNUAL	34.2	16.4	2.0	5.5	3.2	4.9	2.3	1.2	.8					20.0	2300	1.70		

EXTREME VALUES

PRECIPITATION

(FROM DAILY OBSERVATIONS)

66-75

STATION

STATION NAME

YEARS

[illegible]

NGTE * (BASED ON < FULL MONTHS)

USAF ETAC FORM 0-88-3 (OLA)

XXXXXXXXXXXXX
MONTHLY PRECIPITATION

(FROM DAILY OBSERVATIONS)

66-75

STATION

STATION NAME

YEARS

[illegible]

NOTE * (BASED ON 4 FULL MONTHS)

DATA PROCESSING BRANCH
USAF LTAC
AIR WEATHER SERVICE/PAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
(FROM DAILY OBSERVATIONS)

94015 FORT LARKINS FJ/BUITS AAF 60-75

STATION STATION NAME YEARS

PRECIP.	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW-DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	74.0	15.0	3.0	1.4	2.1			.7						14.8	147	1.4	6.0	.7
FEB	51.0	3.0	4.0	1.6	1.5	.7			.7					14.8	135	2.2	15.0	.3
MAR	77.0	13.0	1.1	3.7	2.4	2.2		1.1	1.7					13.0	179	13.4	31.0	1.0
APR	77.0	14.0	1.7	3.5	1.7	.5	.5							14.1	172	3.4	8.7	NA
MAY	82.0	5.0	.0	.6										1.1	130	.2	1.0	.0
JUN	77.0	1.1													173	NA	NA	.0
JUL	80.0														181	.0	.0	.0
AUG	80.0														184	.0	.0	.0
SEP	77.0	2.7				1.4								1.4	148	1.4	6.0	.0
OCT	81.0	4.6		2.0	2.0									3.9	153	1.0	2.8	NA
NOV	82.0	13.0	2.1	1.1	1.4			.7	.7					3.8	140	4.7	15.3	.1
DEC	74.0	14.0	2.3	4.0	1.4	1.4								14.0	142	3.3	5.4	NA
ANNUAL	83.0	5.7	1.0	2.4	1.1	.7	.0	.7	.3					5.9	1907	32.7		

5

CC

C
C

1

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EXTREME VALUES

(FROM DAILY OBSERVATIONS)

66-75

[illegible]

NOTE * (BASED ON < FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

DATA PROCESSING BRANCH
USAF LTAF
AIR WEATHER SERVICE/AF

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
(FROM DAILY OBSERVATIONS)

94015 FORT CARSON CO/BLITS AAF

61-74

STATION

STATION NAME

YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	.06-10	11-25	26-50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	69.8	13.4	3.0	3.0	4.0	1.0	0.0							1.0	282			
FEB	78.7	11.0	3.0	3.0	1.0	0.0	0.0							1.0	213			
MAR	81.5	4.0	5.0	0.0	0.0	1.0	0.0							1.0	231			
APR	89.9	0.0	1.0	1.0		1.0	0.0							0.0	221			
MAY	99.2	0.0	0.0											0.0	241			
JUN	100.0														233			
JUL	100.0														240			
AUG	100.0														244			
SEP	98.6	.5		.5		.5								.5	240			
OCT	97.9	.4	1.2		.4									1.0	242			
NOV	87.4	5.1	3.5	.8	.4	2.4	.0							2.5	254			
DEC	69.4	7.0	1.0	1.0	1.0	0.0	0.0							2.8	217			
ANNUAL	89.2	4.1	2.0	1.0	.7	1.3	.0							2.7	246			

EXTREME VALUES

(FROM DAILY OBSERVATIONS)

66-75

YEARS

[illegible]

NOTE * BASED ON < FULL MONTHS >

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

EXTREME VALUES

SURFACE WINDS

(FROM DAILY OBSERVATIONS)

68-75

DAILY PEAK GUSTS IN KNOTS

[illegible]

NOTES * (BASED ON 2 FULL MONTHS)

3. (BASED ON $<$ FULL MONTHS AND $+100$ KNOTS)

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

60-75
YEARS

ALL
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 55	%	MEAN WIND SPEED
N	2.2	4.4	3.0	3.0	1.5	.8	.2	.0	.0			15.1	9.7
NNE	.9	1.1	1.0	.8	.2	.2	.0	.0				4.3	8.6
NE	.6	.8	.6	.3	.0	.0	.0					2.4	6.6
ENE	.7	.8	.6	.1	.0							2.2	5.6
E	1.1	1.8	1.0	.2	.0							4.1	5.4
ESE	.9	1.6	1.3	.3	.0							4.2	6.1
SE	1.2	2.3	2.4	.8	.0	.0						6.8	6.8
SSE	1.3	3.0	3.4	1.7	.1	.0	.0					9.5	7.4
S	1.7	3.3	3.5	2.2	.2	.0	.0					10.9	7.7
SSW	.8	.9	.8	.8	.2	.1	.0					3.6	8.6
SW	.0	.8	.8	.9	.3	.1	.0					3.4	9.2
WSW	.0	.9	.9	1.1	.3	.1	.0	.0				4.0	9.7
W	.8	1.4	1.0	.9	.3	.2	.1	.0				4.6	8.9
WNW	.6	.8	.4	.3	.1	.0	.0	.0				2.3	6.8
NW	.9	1.7	.6	.3	.1	.0	.0	.0				3.6	6.2
NNW	1.4	3.3	1.8	1.2	.4	.2	.1	.0	.0			8.4	8.0
VARBL													
CALM												10.6	
	16.2	28.8	23.1	15.0	3.9	1.6	.4	.1	.0			100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

49112

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

94019 FORT CARSON CO/BUTTS AFB 67-75
STATION STATION NAME YEARS
ALL WEATHER CLASS
CONDITION
JAN NORTH
ALL HOURS (L & T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.1	4.5	2.3	1.7	1.1	.9	.4	.1	.0			14.0	9.1
NNE	1.0	1.1	.5	.3	.2	.2	.3					3.4	7.7
NE	.0	.5	.3	.2	.0		.1					1.7	6.5
ENE	.8	.5	.2	.1								1.6	4.2
E	1.4	1.4	.7	.1								3.5	4.7
ESE	1.3	1.4	.6	.2	.0							3.7	4.8
SE	1.9	2.3	1.5	.4								6.3	5.7
SSE	1.8	2.5	2.9	1.1	.1							8.3	6.6
S	1.9	2.5	2.7	1.4	.3							8.7	7.2
SSW	.5	.9	.0	.8	.2	.1						3.0	8.6
SW	.5	.8	.0	.9	.3	.1	.0					3.2	7.1
WSW	.7	1.2	.9	1.5	.3	.3	.1	.0				4.9	10.8
W	1.0	1.4	.0	1.0	.5	.1	.1	.1				4.7	9.3
WNW	.6	.9	.4	.1	.1		.0	.0				2.4	6.1
NW	1.5	2.2	.4	.2	.1	.1	.1					4.5	5.6
NNW	2.4	4.0	1.4	.8	.0	.7	.1					9.8	7.7
VARBL													
CALM												16.2	
	21.5	27.9	16.9	10.6	3.6	2.3	.8	.3	.0			100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 3994

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 94015 STATION NAME FORT CARSON CO/BUTTS AAF YEARS 67-74 MONTH FEB
CLASS ALL #FAITHR ALL HOURS (L.S.T.) ALL
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	4.3	2.9	3.1	1.6	.8	.1					15.1	9.6
NNE	1.1	1.0	.9	.9	.2	.1	.0					4.3	8.3
NE	.0	1.0	.3	.1	.1							2.1	5.7
ENE	.7	.8	.4	.1								2.0	5.1
E	1.3	1.6	.7	.2								3.7	5.0
ESE	.8	2.0	1.1	.2								4.1	5.6
SE	1.5	2.4	1.9	1.0	.0							6.8	5.6
SSE	1.5	3.7	2.9	1.3	.1							9.5	6.7
S	1.6	4.4	3.0	1.7	.1	.1						11.0	7.0
SSW	.0	.9	.5	.3	.2							2.5	6.9
SW	1.0	.7	.6	.5	.2	.1						3.1	8.0
WSW	.5	.7	.8	1.1	.4	.2	.1	.0				3.7	10.7
W	.9	1.9	1.0	1.1	.2	.1	.1	.0				5.2	8.7
WNW	.9	1.1	.2	.3	.1							2.7	5.9
NW	1.2	2.4	.6	.2	.0							4.5	5.2
NNW	1.4	3.5	1.0	1.0	.5	.5	.2	.1				8.3	8.7
VARBL													
CALM												11.4	
	18.2	32.3	16.9	13.0	3.7	1.8	.2	.1				100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 3636

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 94015 STATION NAME FORT CARSON CO/BUTTS AAF YEARS 67-75
CLASS ALL WEATHER MONTH ALL HOURS (L.S.T.) ALL
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	3.3	2.0	2.4	1.5	1.0	.4					12.0	11.0
NNE	.5	.9	1.0	1.7	.4	.3	.0	.1				4.9	11.2
NE	.5	1.0	.5	1.1	.1	.0						3.6	8.9
ENE	.5	.8	.8	.2								2.4	5.9
E	.7	2.2	1.0	.2								4.1	5.8
ESE	1.0	1.4	1.4	.3	.0							4.1	6.0
SE	.9	2.7	2.5	1.0	.0							7.4	7.0
SSE	1.1	2.6	3.0	1.9	.1							9.3	7.5
S	1.5	3.2	3.9	3.1	.3	.0						12.1	8.4
SSW	.5	.8	.7	.8	.5	.2						3.6	9.9
SW	.5	.7	.6	.9	.5	.2	.1					3.6	10.8
WSW	.7	.7	.7	1.4	.6	.2	.1	.0				4.5	11.4
W	1.0	1.2	1.0	1.3	.7	.4	.0	.1				5.7	10.8
WNW	.5	.7	.6	.4	.2	.1	.0					2.6	8.2
NW	.9	1.1	.5	.4	.2	.1						3.2	7.2
NNW	1.3	2.1	1.1	1.1	.5	.4	.1	.1				6.6	9.4
VARBL													
CALM												10.5	
	13.9	25.3	22.7	18.1	5.6	3.0	.7	.3				100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 4274

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

94015

FORT CARSON CO/BUTTS AAF

47-75

APR

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

ALL

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.5	2.0	4.0	2.7	2.7	.2	.0				15.9	13.6
NNE	.5	1.0	.8	.9	.5	.6	.1	.0				4.6	11.9
NE	.5	.7	.7	.5	.1							2.5	7.6
ENE	.5	.9	.5	.2	.0							2.3	6.1
E	.7	1.1	1.5	.3								3.5	6.6
ESE	.8	1.2	1.3	.8	.0							4.2	7.4
SE	.5	1.4	2.4	1.8	.2	.0						6.5	8.9
SSE	.0	2.1	2.7	3.1	.3	.1						8.9	9.5
S	1.0	2.7	3.4	3.0	.6	.1						12.0	9.5
SSW	.0	.9	1.4	1.3	.9	.4	.0					5.5	11.6
SW	.5	1.0	1.0	1.9	.9	.2						5.5	11.1
WSW	.5	.6	1.2	1.8	.6	.3	.1					5.1	11.7
W	.4	1.1	1.6	1.8	.0	.4	.0	.0				5.9	11.1
WNW	.0	.7	.7	.7	.2	.1	.0					2.9	8.9
NW	.4	.8	.0	.5	.1	.0						2.4	7.8
NNW	.6	1.7	1.1	1.3	.7	.2	.2					5.7	10.4
VARBL													
CALM												6.7	
	9.4	20.5	24.3	24.4	8.4	5.2	.0	.1				100.0	9.7

TOTAL NUMBER OF OBSERVATIONS

4098

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

94015 STATION FORT CARSON CO/BUTTS AAF STATION NAME 67-75 YEARS MAY MONTH ALL HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	3.7	3.2	3.4	1.7	1.0	.6	.0				14.9	10.7
NNE	.9	.9	1.0	1.2	.1	.1	.0					4.9	8.5
NE	.4	.6	.9	.6	.0							2.8	7.3
ENE	.4	.8	.9	.2								2.4	6.8
E	.9	1.9	1.1	.3	.0							4.3	5.7
ESE	.7	1.6	2.1	.7	.3							5.2	7.3
SE	.8	2.2	3.2	1.5		.0						8.0	7.9
SSE	1.0	2.5	4.0	2.7	.1	.0						10.3	9.3
S	1.5	2.6	4.1	3.5	.4	.0	.0					12.2	8.8
SSW	.6	1.0	.9	1.1	.1	.1	.0					3.8	9.8
SW	.4	1.0	.7	.9	.4	.1						3.4	9.8
WSW	.6	.5	1.0	1.1	.4	.2						3.8	10.4
W	.6	1.1	1.0	1.0	.2	.2	.1					4.3	9.4
WNW	.4	.7	.6	.3	.1	.0						2.2	7.8
NW	.4	1.3	.5	.5	.0	.1						2.8	7.5
NNW	.6	2.2	2.0	1.2	.6	.2	.2	.1	.0			7.1	10.1
VARBL													
CALM												7.4	
	11.7	24.9	28.3	20.4	4.3	2.1	.2	.1	.0			100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 4234

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAL

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

94015 FORT CARSON CO/BUITS AAF 67-75
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
JUN
MONTH
ALL
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	3.8	3.0	1.8	.7	.2	.0					11.3	8.2
NNE	.8	1.2	.7	.8	.1	.1						3.6	7.7
NE	.7	.8	.6	.2	.0							2.3	5.8
ENE	.6	1.1	.7	.1	.1							2.6	5.9
E	1.3	2.3	1.0	.4	.0							5.6	6.0
ESE	.9	1.7	1.7	.4								4.7	6.3
SE	.8	1.9	2.9	1.1	.1							6.7	7.7
SSE	1.2	2.4	4.4	2.3	.2							10.5	8.3
S	1.2	2.9	4.7	3.3	.6	.1						12.8	8.8
SSW	.0	.9	1.1	1.0	.2	.2						4.6	9.8
SW	.3	.6	1.2	.9	.2							3.3	9.3
WSW	.4	1.1	1.4	1.4	.3	.0	.0					4.5	9.3
W	.3	1.3	1.0	.7	.4	.2	.2	.0				4.5	9.8
WNW	.4	.9	.6	.3	.2							2.4	7.2
NW	.6	1.1	.5	.3	.0	.1	.0	.0				2.7	7.8
NNW	1.2	2.9	2.4	1.5	.4	.1	.0					8.6	8.0
VARBL													
CALM												9.4	
	13.4	27.0	26.3	17.0	3.5	1.0	.3	.1				100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 4264

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

94015 FJRT CARSON CO/BUTT, AAF 67-75 JPL
STATION STATION NAME YEARS MONTH
ALL WEATHER ALL
CLASS HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	4.7	3.7	3.5	1.2	.3	.0					15.6	8.8
NNE	.7	1.7	1.8	.6	.2	.0	.0					4.8	7.3
NE	.7	1.1	.9	.2	.0							3.0	6.2
ENE	.0	1.0	.8	.2								2.7	6.0
E	1.5	2.7	1.4	.2								5.7	5.4
ESE	.9	1.8	1.9	.3	.0							5.1	6.3
SE	1.2	3.0	2.5	.6	.0							7.3	6.5
SSE	1.2	2.9	3.0	1.8	.0	.0						9.0	7.4
S	1.0	2.6	3.0	1.0	.1	.0						8.9	7.3
SSW	.0	1.0	.0	.2	.1							2.7	6.8
SW	.2	.7	.6	.3								2.1	6.5
WSW	.6	1.0	.9	.6	.0	.0						3.2	7.4
W	1.0	1.1	1.1	.6	.1	.0						4.0	7.1
WNW	.4	.5	.4	.2	.1							1.6	7.4
NW	.7	1.5	1.1	.4	.2							3.8	7.1
NNW	1.3	3.6	2.3	1.9	.4	.0	.0					9.8	7.6
VARBL													
CALM												10.7	
	15.0	31.1	26.0	13.5	2.5	.5	.1					100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 4444

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/HAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

04015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

67-75
YEARS

ALL
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	5.2	3.7	3.7	1.0	.1						16.2	8.3
NNE	1.3	1.4	1.1	.9	.1	.0						4.8	7.0
NE	.9	1.2	.5	.2	.0							3.1	5.5
ENE	.3	1.0	.9	.2								2.9	5.7
E	1.5	1.9	1.3	.1								4.9	5.3
ESE	1.0	2.0	1.0	.3	.0							4.9	6.0
SE	1.0	3.2	3.0	.7								8.5	6.3
SSE	1.6	3.3	3.2	1.0	.0							9.2	6.6
S	1.0	2.8	2.5	1.1	.0							8.1	6.6
SSW	.0	.8	.7	.0	.0							2.7	7.1
SW	.5	.6	.7	.6	.1							2.5	7.9
WSW	.3	.8	.9	.2	.1							2.8	6.5
W	.7	1.2	1.3	.8	.0	.0						4.0	7.3
WNW	.8	.8	.3	.2	.1							2.2	5.7
NW	.9	1.6	.4	.3	.0	.0	.0					3.3	5.9
NNW	1.6	3.7	2.3	.9	.2							8.9	6.4
VARBL													
CALM												10.9	
	18.9	31.4	24.8	11.8	1.6	.2	.0					100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

4491

DATA PROCESSING BRANCH
ETAC/USAF
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

86-74
YEARS

SEP
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	4.4	2.8	2.9	1.2	.4	.2					14.1	9.2
NNE	.8	.9	.6	.7	.2	.1	.0					3.4	2.0
NE	.5	.9	.6	.2	.0							2.2	6.2
ENE	.7	1.0	.3	.1	.0							2.2	5.0
E	1.2	1.6	.8	.1								3.8	5.0
ESE	.9	2.0	1.8	.2								4.9	6.0
SE	1.3	2.4	3.1	.8								7.6	6.8
SSE	1.8	4.0	5.4	1.9	.1							13.2	7.2
S	2.1	3.4	4.4	1.8	.2							11.9	7.2
SSW	.8	.9	1.1	1.0	.1	.0						4.0	3.0
SW	.5	.5	.7	1.1	.1							3.0	8.9
WSW	.5	1.0	.6	1.3	.3							3.9	9.4
W	.9	1.4	.6	.5	.1	.0						3.8	6.8
WNW	.5	.7	.3	.2	.0							1.7	5.9
NW	.9	1.6	.4	.1	.0							3.1	5.9
NNW	1.3	3.5	1.6	1.1	.3	.1	.0					8.2	7.2
VARBL													
CALM												9.0	
	17.0	30.6	25.9	14.0	2.6	.6	.3					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 4003

DATA PROCESSING BRANCH
 FTAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

94015
 STATION

FORT CARSON CO/BUTTS AAF
 STATION NAME

66-74
 YEARS

JCT
 NORTH

ALL WEATHER
 CLASS

ALL
 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	4.8	3.4	3.8	2.1	.9	.1	.1				17.8	10.0
NNE	.6	1.0	.7	.9	.2	.2						3.9	8.5
NE	.5	.6	.4	.1	.0							1.7	5.7
ENE	.7	.5	.4	.1								1.7	5.3
E	.9	1.4	.6	.1								3.1	4.9
ESE	.8	1.3	1.1	.2								3.3	5.9
SE	.9	2.8	3.0	.5	.0							7.3	6.6
SSE	1.2	3.9	3.4	1.5	.1		.3					10.2	7.2
S	1.9	4.4	3.9	2.0	.3	.0						12.6	7.3
SSW	.7	1.1	.9	1.0	.2	.0						3.8	8.4
SW	.7	1.0	.7	1.3	.4	.0						4.1	9.5
WSW	.6	1.3	.9	1.0	.3	.0						4.1	8.7
W	.8	1.7	.7	.7	.2	.1						4.2	7.7
WNW	.4	.7	.4	.1		.0						1.6	5.9
NW	.8	1.7	.7	.1		.0						3.3	5.2
NNW	1.5	3.4	2.0	1.1	.4	.2						8.6	7.5
VARBL													
CALM												8.7	
	15.8	31.5	23.1	14.6	4.4	1.7	.2	.1				100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

4115

DATA PROCESSING BRANCH
ETAC/USAF
AFD WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

94015
STATION

FORT CARSON CO/BUITS AAF
STATION NAME

66-74
YEARS

NOV
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.9	5.5	3.1	3.1	1.5	.8	.2	.1				17.5	9.1
NNE	1.3	1.0	1.2	.7	.3	.2	.0					4.7	7.8
NE	.7	.7	.4	.2	.0							2.1	5.8
ENE	.8	.8	.3	.0	.0							1.9	4.6
E	1.1	1.6	.5	.1								2.6	4.9
ESE	.9	1.5	.7	.2								3.2	5.2
SE	1.8	2.0	1.2	.2	.0							5.2	5.3
SSE	1.3	2.8	3.0	1.0	.0							8.2	6.7
S	2.1	4.2	3.9	1.1	.1							10.9	5.3
SSW	.9	.9	.9	.4	.1							3.2	6.4
SW	1.0	.7	1.0	.5	.3							3.5	7.6
WSW	.7	1.1	.8	.9	.3	.1	.0					4.0	8.6
W	.9	1.7	1.0	.9	.3	.3						5.0	8.6
WNW	.5	1.2	.3	.3	.1	.0	.0	.0				2.2	6.4
NW	1.0	2.2	.0	.2								4.1	5.3
NNW	1.9	3.8	1.5	.8	.1	.1						8.0	6.0
VARBL													
CALM												11.9	
	20.0	31.9	20.2	10.0	3.1	1.2	.3	.1				100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 3772

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/AAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

94015
STATION

F. RT CARSON CO/BUTTS AAF
STATION NAME

60-74
YEARS

JFC
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.9	6.0	2.7	2.7	1.5	1.0	.2	.1				17.1	9.2
NNE	1.0	1.4	1.1	.6	.3	.2						4.8	8.3
NE	.5	.8	.2	.2	.1							1.7	5.8
ENE	.5	.7	.1	.1								1.5	4.6
E	1.0	1.1	.5	.1								2.6	4.6
ESE	.3	1.0	.4	.1								2.3	4.8
SE	1.0	1.6	.7	.2	.1							3.6	5.5
SSE	1.5	2.7	1.9	.5	.0							6.6	5.8
S	2.1	3.8	2.4	1.2	.0							9.5	6.3
SSW	.8	1.1	.5	.8	.1	.0						3.4	7.2
SW	.8	.9	.6	1.2	.2	.1						3.8	6.6
WSW	.6	.9	.4	1.0	.3	.2	.0	.0				3.8	9.8
W	1.1	1.5	.7	.6	.2	.1	.1	.0				4.3	8.3
WNW	.9	1.1	.2	.2	.1	.0						2.5	5.4
NW	1.4	2.8	.8	.4	.1	.1	.0					5.6	5.8
NNW	2.1	5.0	2.1	1.2	.6	.6	.0	.1	.1			11.9	8.4
VARBL													
CALM												14.9	
	18.9	32.3	16.1	11.3	3.5	2.2	.4	.3	.1			100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 3781

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

94015
STATION

FORT CARSON CO/BULTS AAF
STATION NAME

72-75
YEARS

JAN
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		3.3		3.3								6.7	3.5
NNE													
NE													
ENE													
E													
ESE	3.3											3.3	3.0
SE													
SSE													
S													
SSW													
SW													
WSW	3.3											3.3	3.0
W		3.3			3.3							6.7	13.0
WNW	3.3	0.7			3.3							13.3	7.8
NW	3.3	6.7										10.0	4.0
NNW		20.0	13.3	3.3								36.7	7.1
VARBL													
CALM												20.0	
	13.3	40.0	13.3	6.7	0.7							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 30

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/NAO

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0015 FORT CARSON CO/BUITS AAF 67-75 JAN
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
0600-0800
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.7	0.5	3.9	1.2	.7	.7	.7	.3				21.6	7.7
NNE	.4	.7	.5	.3								1.9	5.4
NE	.3	.4	.1									.8	4.0
ENE	.3											.3	2.5
E	.7	.5										1.2	3.1
ESE	.7	.4										1.1	3.0
SE	.1	1.2	.7	.1								2.4	4.3
SSE	.5	1.1	1.1	.3								2.9	6.5
S	1.2	1.5	.7	.7								4.0	6.2
SSW	.3	.5	.4	.3								1.5	6.7
SW	.7	.4	.1	.5	.1							1.9	7.4
WSW	.5	1.9	1.2	.8	.1	.3		.1				4.9	7.2
W	1.6	2.4	.6	1.2	.4	.1	.1					6.7	7.2
WNW	1.6	2.0	.3	.1	.1		.1	.1				4.4	6.4
NW	1.9	3.7	.7	.3	.4	.3	.1					7.3	6.9
NNW	4.7	10.1	2.5	.8	.9	1.1						20.1	6.7
VARBL													
CALM												17.1	
	19.1	37.3	13.2	6.5	2.8	2.4	1.1	.5				100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 750

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVIC. / 140

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

94015 FORT CARSON CG/BUITS AAF 67-75 3P1
STATION STATION NAME YEARS MONTH
ALL DEPTER CLASS 0900-1100
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.0	4.8	2.7	1.5	1.4	.5	.1	.2				11.3	8.1
NNE	2.2	2.5	.9		.4	.1						5.8	5.5
NE	1.1	.7	.1	.2								2.2	4.5
ENE	1.2	.8	.5									2.4	4.2
E	2.7	1.9	.7	.1								5.6	4.6
ESE	1.9	1.2	.8	.2								4.0	4.7
SE	2.2	1.9	.9	.1								5.5	4.5
SSE	1.5	2.6	2.9	1.0	.1							8.2	6.6
S	1.7	2.0	2.0	1.1	.4							8.0	7.0
SSW	.2	.6	.5	.6	.2	.2						2.9	10.0
SW	.8	.7	.4	1.0	.1		.1					2.0	9.5
WSW	.7	.2	.5	1.0		.1	.2					3.6	11.7
W	.5	.7	.2	.4		.1		.4				2.5	11.8
WNW	.7	.2	.1									1.1	3.7
NW	.5	1.2	.4	.1	.1							2.4	5.9
NNW	2.9	2.7	1.5	.4	.7	1.5	.1					9.8	9.3
VARBL													
CALM												17.3	
	25.3	25.6	15.0	8.4	3.2	2.0	.8	.6				100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 805

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

94015 STATION FORT CARSON CO/BUTTS AFB STATION NAME 67-71 YEARS JAN MONTH 1200-1400 HOURS (L S T.)
ALL WINDS CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	.8	1.3	1.3	1.0	1.6	.9					8.0	14.2
NNE	.5	.6	.3	.4	.3							2.1	8.1
NE	1.3	.8	.2		.1							2.7	5.0
ENE	1.2	1.0	.3	.1								2.6	4.3
E	1.9	2.5	1.0	.3								5.7	5.0
ESE	3.0	2.8	1.0	.4								7.8	4.9
SE	3.9	3.2	2.6	1.0								11.0	5.7
SSE	2.5	4.5	6.1	2.5	.1							15.8	7.2
S	3.1	3.5	4.5	3.1	.3							15.0	7.9
SSW	.4	1.3	.4	1.6	.4							4.0	7.9
SW	.4	.1	.2	.8	.8	.1						2.5	13.1
WSW	.1	.1	.3	1.9	.5	.5	.1					4.1	15.0
W	.1	.1	.1	1.6	1.3	.1	.1	.1				3.6	16.1
WNW				.3	.1							.4	16.3
NW	.1	.1	.1		.1		.1					.6	12.4
NNW	.4	.4	.5	.5	.1	.4	.1					2.5	12.2
VARBL													
CALM												11.8	
	20.2	22.0	20.5	15.0	6.2	2.7	.9	.1				100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 774

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/IAF

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

67-74
YEARS

JAN
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L & T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	.7	.0	2.8	1.4	1.0	.3					8.9	12.3
NNE	1.1	1.0	.0	.7	.1	.4						4.1	4.2
NE	.3	.6	.4	.4								1.7	7.4
ENE	1.0	.4	.4	.1								1.9	5.1
E	1.0	1.9	1.0									3.9	5.1
ESE	1.0	1.6	.5	.3	.1							4.8	5.3
SE	2.7	4.3	4.1	.7								12.0	6.0
SSE	2.2	3.9	3.7	1.9								12.0	6.6
S	1.9	3.3	4.0	2.1	.1							12.3	7.4
SSW	.6	.7	.3	1.1	.1							3.3	6.8
SW	.6	.7	.7	1.4	.4	.1						3.9	10.5
WSW	.4	.4	1.0	2.6	.4	.4	.3					5.5	13.5
W	.8	.7	.4	1.7	.6	.3						4.4	10.4
WNW	.3	.1	.2	.1								1.1	7.5
NW	.7	.4	.4	.3								1.8	6.2
NNW	.3	.8	.7	.7	.0	.1						3.2	10.8
VARBL													
CALM												15.1	
	18.0	21.7	21.0	16.9	3.9	2.4	.6					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 723

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAF

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

60-75
YEARS

JAN
MONTH

ALL WINDS
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	3.6	2.0	1.3	.5	1.2	.5	.2	.1			12.3	10.0
NNE	.5	.5	.5	.3	.5	.3	.2					2.8	11.8
NE	.3		.7	.2								1.2	7.6
ENE	.5	.2										1.0	2.7
E	.5	.5	.7									1.7	5.3
ESE	.5	.7	.3									1.5	9.7
SE	.5	1.2	.3									2.0	4.9
SSE	1.8	1.2	1.0	.2								4.1	4.8
S	1.5	1.5	2.2	.3								5.5	6.2
SSW	1.0	1.5	.3	.3	.2							3.3	6.1
SW	1.2	2.3	1.8	.5								5.8	6.3
WSW	1.5	2.6	.7	.3	.2	.3						5.6	6.6
W	2.0	2.8	1.0	.8								6.6	5.7
WNW	1.2	1.7	1.0									3.8	5.1
NW	4.0	5.0	.5	.2								9.6	4.1
NNW	3.5	4.8	1.2	1.5	.7	.2						11.8	6.6
VARBL													
CALM												21.5	
	23.5	30.0	14.1	6.0	2.0	2.0	.7	.2	.2			100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

604

DATA PROCESSING BRANCH
 ETAC/USAF
 AIR WEATHER SERVICE / MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 74015 STATION NAME FORT CARSON CJ/BUTTS AAF YEARS 1-8-75 MONTH JAN
 CLASS ALL WFT THER 2100-2300
 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.5	8.8	4.2	1.9	.6							21.1	6.0
NNE	1.0	1.3	.3	.3		.3						3.2	7.5
NE				.6			.6					1.3	23.0
ENE		.3										.3	4.0
E	1.3		.3									1.6	3.0
ESE	.3	1.0										1.3	4.0
SE	.3	1.0	1.0	.3								3.2	7.2
SSE	1.3	.6	1.3									3.2	5.2
S	1.3	2.3	1.0									5.2	5.3
SSW	.3	1.3	1.0	.6								3.2	7.5
SW	.3	1.0	.6	1.0								2.9	8.7
WSW	.6	3.2	1.0	1.3	.3	.3						7.5	8.0
W	1.9	2.3	1.3									5.5	4.8
WNW	1.3	2.3	1.0	.3								4.9	5.1
NW	3.0	4.2	.3	.6								8.8	4.5
NNW	3.9	5.5	1.0	.6	.3	.6						12.0	6.3
VARBL													
CALM												14.6	
	23.1	35.1	16.2	7.8	1.3	1.3	.6					100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 368

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/ETAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 94015 FORT CARSON CO/BUTTS AAF 71-75 YEARS 198 MONTH 0300-0900
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	2.0	2.0	5.3	2.0							15.8	10.5
NNE													
NE	2.0											2.6	2.0
ENE													
E													
ESE													
SE			2.0									2.6	7.0
SSE			2.0									2.6	8.0
S		5.3	2.0									7.9	6.3
SSW	2.0											2.6	2.0
SW													
WSW													
W		2.0										2.6	4.0
WNW	2.0	2.0										5.3	4.5
NW	7.9	7.9	5.3									21.1	5.1
NNW	5.3	15.8	2.0	5.3								28.9	6.5
VARBL													
CALM												7.9	
	22.7	36.8	10.4	10.5	2.0							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 39

DATA PROCESSING BRANCH
 FIAC/USAF
 AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

94015 FORT CARSON CB/BUTTS AFB 67-75 1 FEB
 STATION STATION NAME YEARS MONTH
 ALL WEATHER
 CLASS
 0600-0400
 HOURS (LST)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.0	9.0	3.7	1.7	.6		.2					22.1	7.0
NNE	1.5	2.0	.3	1.1								4.9	6.3
NNE	.2	.5	.3									.9	5.7
ENE	.5	.5										.9	3.7
E	.3	.6										.9	4.0
ESE	.6	.6	.3	.2								1.3	5.4
SE	.2	.5	.3	.2								1.1	6.0
SSE	.3	1.8	1.4	.2								4.1	5.7
S	1.2	2.4	.8	1.1	.2							5.6	6.6
SSW	.3	.9										1.2	4.1
SW	.8	.8										1.5	3.7
WSW	.2	.6	.5	.6		.2						2.6	10.2
W	2.0	2.4	.6	.2			.5	.2				5.6	6.5
WNW	2.6	1.4										4.0	3.2
NW	3.5	5.3	.6									9.6	4.1
NNW	4.0	10.5	2.7	1.2	.8	.8						20.5	6.4
VARBL													
CALM												13.7	
	24.1	39.8	11.0	8.2	1.5	.9	.3	.2				100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 655

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

47-75
YEARS

1F3
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.5	5.6	2.5	4.0	1.3	.7						18.5	8.4
NNE	1.3	1.4	1.7	.8	.6							5.8	7.8
NE	1.4	1.7	.3	.1								3.5	4.2
ENE	1.9	.0	.0	.1								3.2	4.6
E	2.5	1.5	.0									4.6	3.5
ESE	.4	2.5	.7	.1								3.8	5.3
SE	1.7	1.4	1.7	.3	.1							5.1	6.1
SSE	2.9	1.9	2.5	1.3								10.6	6.0
S	1.9	4.7	2.0	1.9	.1							11.4	6.8
SSW	.7	.0										1.3	3.7
SW	1.0	.1	.1	.3	.3							1.8	7.3
WSW		.4	.4	1.3	.4	.3	.1					2.9	14.3
W	.0			.1	.1	.1	.4					1.4	16.1
WNW	.1	.6			.1							.8	6.5
NW	.3	.6	.3	.4								2.1	6.2
NNW	1.1	1.1	.1	1.0	.3	.8	.4					4.9	12.7
VARBL													
CALM												18.4	
	23.1	26.6	14.0	11.8	3.2	1.9	1.0					100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 719

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE PAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 94015 STATION NAME F. PI CARSON CB/BUTTS AAF YEARS 67-75 MONTH FEB NORTH 1200-1400 HOURS (LST) CLASS ALL WEATHER CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.1	1.0	2.7	1.0	1.0	.3					9.5	12.7
NNE	1.0	.3	.7	.7	.4	.4						3.5	10.5
NE	.7	1.4	.4	.0	.1							3.2	6.9
ENE	.3	.7	.3	.3								2.1	6.8
E	1.0	2.1	1.0	.4								5.7	5.7
ESE	1.7	3.7	2.4	.3								8.1	5.7
SE	2.3	4.7	2.0	1.7								11.7	6.5
SSE	1.3	0.4	4.2	3.1	.3							15.3	7.5
S	2.3	3.9	3.4	3.4								16.7	7.6
SSW	.1	1.4	1.0	.4	.0							3.5	8.8
SW	.0	.6	.3	1.0	.7	.1						3.7	12.8
WSW		.3	.0	.7	.4	.3	.1	.1				2.5	16.1
W		.4	1.0	.8	.6	.1						3.0	12.6
WNW	.0	.4		.6	.1							1.7	8.2
NW		.1	.1	.3	.1							.7	12.2
NNW	.1	.0	.3	.6	.8	.3	.1	.4				3.3	16.8
VARBL													
CALM												5.8	
	10.4	10.1	23.5	17.0	5.0	2.7	.0	.6				100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 707

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 94015 STATION NAME FORT CARSON CO/BUTTS AFB YEARS 67-74 MONTH 1500-1700
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.3	2.7	3.0	1.6	1.8						11.1	13.1
NNE	.7	.6	.7	1.2	.4		.1					4.0	10.3
NE	.4	.9	.6		.3							2.2	6.9
ENE	.4	1.0	.7									2.8	5.4
E	1.2	2.4	1.6	.4								5.6	5.9
ESE	.7	3.0	1.8	.1								5.5	5.9
SE	1.9	4.3	3.3	2.8								12.3	7.1
SSE	1.0	3.9	5.9	2.2								13.0	7.6
S	1.3	5.0	4.4	2.7		.4						13.9	8.1
SSW	.3	.3	1.2	1.0	.3							3.1	10.6
SW	.3		1.3	1.0	.1	.1						3.0	11.2
WSW	.4	.1	1.2	1.8	1.0							4.6	12.0
W	.4	.3	1.0	2.7	.3	.1						4.7	12.1
WNW	.1	.4	.6	.7	.4							2.4	10.6
NW	.3	.7	1.0	.3								2.4	7.1
NNW	.1	.6	1.0	1.5	.3	.3	.4					4.3	13.8
VARBL													
CALM												4.9	
	10.5	25.5	29.2	21.5	5.0	2.8	.6					100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 675

DATA PROCESSING BRANCH
 FIAC/USAF
 AIR WEATHER SERVICE/ IAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

94015 FORT CARSON CO/BUTTS AFB 40-75
 STATION STATION NAME YEARS
 ALL WEATHER
 CLASS
 CONDITION
 MONTH
 1800-2000
 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	4.0	3.1	2.5	2.7	.5	.2					17.8	10.9
NNE	.5	1.4	1.4	.9								4.3	3.0
NE		.4										.4	5.5
ENE	.7	.7										1.4	3.6
E	.7	1.1	.4									2.0	4.6
ESE	.9	.2	.4	.2								1.6	5.3
SE	1.6	1.5	1.4	.7								5.4	6.0
SSE	1.6	3.2	1.1									5.9	4.7
S	3.2	4.0	1.4									9.6	4.4
SSW	1.1	1.4	.5									3.1	4.7
SW	2.7	2.2	.7	.4								5.9	5.5
WSW	1.5	2.2	1.6	1.3		.2						7.0	7.1
W	1.1	5.4	2.3	1.6								10.6	6.5
WNW	1.3	2.3	.7	.2								4.5	4.9
NW	1.3	5.0	.5	.2								7.0	5.0
NNW	.7	3.2	.7	.5	.4	.4						5.9	7.7
VARBL													
CALM												17.6	
	20.0	38.3	16.4	8.5	3.1	1.1	.2					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 556

DATA PROCESSING BRANCH
 FTAC/USAF
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

94015 FLEET CARRIER GROUP/BUITS AAF 68-70
 STATION STATION NAME YEARS
 ALL WEATHER
 CLASS
 CONDITION
 MONTH
 2100-2300
 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	5.6	4.5	1.0	1.7	1.0						15.7	9.1
NNE	1.0	.3	.3									1.7	4.4
NE	.3	1.0	.3									1.7	5.0
ENE		.7	.3									1.0	7.3
E	1.0	1.7										2.8	3.9
ESE		1.7	.3									2.1	4.7
SE		1.0	1.7									2.8	7.3
SSE	1.7	1.4	1.0									4.2	4.4
S	.7	3.1	2.4									6.3	5.8
SSW	2.1	1.0	.3									3.5	3.6
SW	1.0	.7	1.4									3.1	5.6
WSW	2.1	1.0	.7	.7	.3							4.9	6.1
W	1.7	5.6	1.4	1.4	.3							10.5	6.7
WNW	1.0	2.1	.3									3.5	4.7
NW	1.4	4.2	.7									6.3	4.9
NNW	2.1	7.0	1.4	1.4								11.9	6.0
VARBL													
CALM												17.8	
	18.2	38.5	17.5	4.5	2.4	1.0						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 206

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: 04015 STATION NAME: FORT CARSON CO/BUTTS AAF YEARS: 74-74 MONTH: 0300-0500
CLASS: ALL WEATHER HOURS (L.S.T.):
CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.1	4.1	4.1	1.4								13.5	6.3
NNE		1.4										1.4	4.0
NE	1.4	1.4										2.7	4.0
ENE													
E		1.4										1.4	4.0
ESE			1.4									1.4	8.0
SE	4.1	1.4	1.4	1.4								8.1	5.2
SSE		1.4	1.4	1.4								4.1	9.0
S													
SSW		1.4		1.4								2.7	10.5
SW	1.4		1.4									2.7	5.0
WSW			1.4	1.4	1.4							4.1	13.3
W				1.4	1.4	1.4						4.1	18.0
WNW	1.4	4.1										5.4	5.0
NW	5.4	5.4										10.8	3.4
NNW	8.8	8.1	2.7	1.4			1.4	1.4				21.6	9.2
VARBL													
CALM												16.2	
	24.3	29.7	13.5	9.5	2.7	1.4	1.4	1.4				100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 74

DATA PROCESSING BRANCH
 FTAC/USAF
 AIR WEATHER SERVICE/MAF

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 94015 STATION NAME FORT CARSON CO/BULTS AAF YEARS 67-74 MONTH MAR
 CLASS ALL WEATHER HOURS 0600-0800
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.3	9.7	3.7	3.2	1.2	1.8						23.8	8.2
NNE	.3	.8	.8	.9	.4	.3						3.7	9.9
NE	.8	1.0	.5	.1		.1						2.3	6.2
ENE	.3	.8	.3									1.3	4.8
E	.1	.4	.4									.9	6.6
ESE	.4	.9	.5									1.5	4.9
SE	.5	1.4	1.0	.1								3.1	6.0
SSE	.5	2.1	1.9	.6								5.2	7.7
S	1.0	2.4	1.9	.6	.3							6.3	7.0
SSW	1.2	.6	.5	.1								2.4	4.8
SW	.9	.6	.4	.4	.3	.1						2.7	7.7
WSW	.5	.9	.3	1.2	.4	.1	.3					3.6	11.6
W	1.2	.9	1.0	.8	.3	.5						4.6	9.5
WNW	1.5	1.2	.4	.1		.1	.1					3.5	5.7
NW	3.1	2.6	.4	.4	.1							6.6	4.3
NNW	2.4	4.6	3.1	.9	.1	.3	.1					11.5	6.8
VARBL													
CALM												16.8	
	19.3	30.9	16.5	9.5	3.0	3.4	.5					100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 776

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

94015 FORT CARSON CO/BUTTS AFB 67-74
STATION STATION NAME YEARS
ALL WEATHER
CLASS
0700-1100
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.5	1.4	2.5	1.4	.7	.4					9.7	11.4
NNE	.9	.9	.9	1.3	.2	.2	.1					4.7	9.7
NNE	.7	1.5	.6	1.0								4.7	8.4
ENE	1.4	1.1	.9	.4								3.8	5.4
E	1.4	5.2	.6	.2								5.6	5.1
ESE	1.5	2.7	1.0	.2								6.1	5.4
SE	1.9	3.8	3.5	.5								9.6	6.2
SSE	1.0	2.9	4.0	3.1	.1							12.3	8.0
S	1.5	4.1	2.9	3.3	.1							12.0	7.8
SSW	.1	.5	.5	1.1	.4	.1						2.6	11.8
SW	.5	.1	.4	1.1	.5	.6						3.1	13.8
WSW	.4	.1		.7	.7	.1		.1				2.1	15.2
W	.6		.5	.7	.9	.2	.1	.2				3.2	15.4
WNW	.1	.1	.1		.1							.5	9.3
NW	.4	.4	.1			.2						1.1	8.6
NNW	.4	1.4	.9	.6	.6	1.1		.2				5.4	13.7
VARBL													
CALM												13.5	
	14.6	25.2	20.1	17.1	5.0	3.3	.6	.6				100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 852

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/AFM

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

67-75
YEARS

JAN
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L & T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.1	.0	1.2	1.3	1.0	.4					6.0	14.9
NNE	.4	.3	.7	2.3	.0	.2						5.0	12.1
NE	.0	.8	.2	1.3	.2							3.2	9.7
ENE	.0	.8	.5	.4								2.3	6.2
E	.5	3.1	2.3	.5								6.3	6.8
ESE	1.0	1.5	3.1	.5								6.1	6.8
SE	1.0	3.1	5.1	2.1	.1							11.4	7.9
SSE	1.0	3.5	5.4	2.9	.4							13.0	8.4
S	1.2	3.0	6.1	2.0	.0	.1						16.5	9.6
SSW	.4	.5	1.0	1.3	1.2	.5						4.8	13.4
SW	.5	.4	.7	.3	.7	.1	.2					3.5	12.6
WSW	.4	.8	.5	1.7	1.1	.7	.1	.1				5.4	14.3
W	.4	.4	.4	1.2	1.0	.0	.1					3.9	14.5
WNW		.2	.4	.5	.4	.2						2.1	12.8
NW	.2	.5	.4	.1	.6	.4						1.8	11.5
NNW	.4	.4	.2	1.2	.8	.4	.2					3.6	14.4
VARBL													
CALM												5.2	
	8.2	70.8	28.1	23.5	8.6	9.2	1.1	.1				100.0	9.8

TOTAL NUMBER OF OBSERVATIONS 840

DATA PROCESSING BRANCH
ITAC/USAF
AIR WEATHER SERVICE/TAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 94015 STATION NAME FORT CARSON CO/BUITS AAF YEARS 67-74 MONTH NORTH 1500-1700 HOURS (L.S.T.)
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.6	.7	2.1	2.6	.7	.3					7.9	15.0
NNE	.3	.9	1.3	2.3	.3	.6						5.7	12.7
NE	.1	1.0	1.2	1.4	.6							4.1	10.1
ENE	.1	.6	1.5	.3								2.6	7.6
E	.6	3.0	1.5	.3								5.4	5.7
ESE	.7	1.4	1.7	.6	.1							5.3	7.0
SE	.4	2.8	4.0	1.8								9.0	7.7
SSE	.6	2.4	3.0	2.7	.1							9.5	8.8
S	.7	3.4	5.5	5.8	.5	.1						16.2	9.4
SSW	.3	.8	1.0	1.5	1.0	.3						4.9	12.1
SW	.1	.3	.6	1.7	1.2	.3	.1					4.3	14.7
WSW	.4	.5	1.2	2.6	.5	.1						5.3	11.9
W		.8	1.2	2.8	1.4	.5		.1				6.8	14.3
WNW	.1	.4	1.0	1.0	.3	.1						3.0	11.3
NW		.1	1.2	1.2	.4							2.8	12.1
NNW	.3	.5	.6	1.2	.5	.3						3.5	11.9
VARBL													
CALM												4.0	
	5.7	19.7	28.4	29.3	9.3	3.2	.4	.1				100.0	10.1

TOTAL NUMBER OF OBSERVATIONS 776

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 04015 STATION NAME FORT CAR ON CO/BUTTS AAF YEARS 68-75 YEAR MONTH 1A00-2000
CLASS ALL WEATHER HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.9	2.4	2.0	2.3	1.3	.9	.3					11.6	12.3
NNE	.3	.9	1.5	2.0	.5	.3		.2				5.6	11.0
NE	.3	.3	1.0	1.4	.2							4.0	9.9
ENE	.8	.9	.9									2.6	5.3
E	.9	1.4	.2	.2								2.6	4.6
ESE	1.2	.5	.5									2.1	4.1
SE	.5	2.0	1.1	.3								6.4	6.2
SSE	1.7	2.4	2.7	.5								7.3	5.9
S	2.7	3.4	3.0	1.1	.5							11.3	6.7
SSW	.0	2.0	.0									3.4	4.7
SW	.9	2.4	.0	1.1	.2							3.3	7.0
WSW	1.2	.9	2.0	1.2	.2							5.5	8.2
W	2.0	4.3	2.7	1.1								10.4	6.3
WNW	.5	1.2	1.1	.2	.2							3.0	7.0
NW	.3	1.8	.0	.5	.3							3.5	7.7
NNW	1.7	2.0	.8	1.5	.3	.3						6.6	8.1
VARBL													
CALM												10.0	
	17.1	29.4	23.5	13.1	3.0	1.5	.0	.2				100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 656

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

73-74
YEARS

1A
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.7	4.0	4.3	1.0	.7	1.0					16.3	11.0
NNE	.7	1.3	1.3	1.0				.7				5.0	11.7
NE		1.0	1.0	.7								2.7	8.3
ENE	.3	.7	.3									1.3	5.0
E		1.7	.7									2.3	5.6
ESE	1.3	.3										1.7	3.4
SE	.3	1.7		.7								2.7	6.7
SSE	1.3	2.0	3.0	.3								6.7	5.9
S	2.3	3.3	2.7	.3								8.7	5.8
SSW	1.7	1.0	.3	.3								3.3	4.5
SW	1.3	.3	.3									2.0	3.3
WSW	3.3	1.3	1.0	.7		.3						6.7	5.5
W	3.0	2.3	1.0	1.3								7.7	6.0
WNW	2.0	2.0		.7								4.7	4.6
NW	1.3	1.0	.3	.3								3.0	5.1
NNW	4.3	4.7	.3	1.0		.3						10.7	5.3
VARBL													
CALM												14.7	
	25.0	26.3	16.3	11.7	1.0	1.3	1.0	.7				100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

300

DATA PROCESSING BRANCH
 FTAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

94015 STATION FORT CARSON CO/BUTTS AAF STATION NAME 70-75 YEAR MONTH 12
 CLASS ALL WEATHER
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.7		1.4	1.4		1.4					8.1	12.8
NNE													
NE	1.4											1.4	2.0
ENE													
E													
ESE			1.4									1.4	2.0
SE		1.4	2.7									4.1	3.0
SSE		1.4		1.4								2.7	10.0
S	1.4	2.7	2.7									6.8	5.8
SSW			1.4	1.4								2.7	9.5
SW	1.4	2.7		1.4								5.4	6.5
WSW	1.4		2.7	2.7			1.4					8.1	12.7
W		1.4	1.4									2.7	7.5
WNW	1.4	2.7	2.7									6.8	5.2
NW	1.4	6.8	2.7									10.8	5.6
NNW	1.4	10.8	4.1	2.7	1.4	1.4						21.6	8.3
VARBL													
CALM												17.6	
	10.9	32.4	21.6	10.8	2.7	1.4	2.7					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 74

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/4AC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

67-79
YEARS

ADK
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.0	6.0	5.9	3.4	3.0	3.6	.1					25.0	11.2
NNE	.9	2.3	.8	.8		.6	.1					5.3	9.3
NE	.9	1.3	.7	.4								3.4	5.8
ENE	.5	.4	.1									1.1	3.9
E	.9	1.7	.9									3.6	5.2
ESE	.9	1.3	1.2	.1								3.6	5.9
SE	.7	1.3	1.5									3.5	6.1
SSE	.8	3.0	.9	.7								5.4	6.1
S	.4	1.3	1.2	.9	.4							4.3	8.7
SSW	.3	.4	.9	.5	.4	.1						2.7	10.8
SW	.7	1.1	.7	1.1	.1							3.6	8.1
WSW	.1	.4	.4	1.3	.7	.4						3.4	13.9
W	.7	.7	.3	1.1	.3							3.0	9.0
WNW	.5	1.1	.3									1.9	4.5
NW	.7	1.7	1.2			.1						3.2	6.3
NNW	1.0	3.5	2.3	1.6	.3		.4					9.9	9.0
VARBL													
CALM												16.1	
	13.7	28.0	19.4	12.0	5.1	5.1	.7					100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 744

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 04115 STATION NAME FORT CARSON C/BUITS AAF YEARS 67-75 MONTH APR
CLASS ALL WEATHER HOURS 0900-1100
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.7	2.0	2.7	1.7	2.9						10.9	14.8
NNE	.6	1.2	.9	.6	.6	.9	.2					5.1	13.0
NE	.5	.6	.9	.4	.2							2.6	8.1
ENE	1.0	.9	.9									2.7	5.0
E	1.9	1.4	2.5	.2								6.0	5.0
ESE	1.1	2.0	1.6	.6								5.3	6.6
SE	1.1	2.7	4.1	1.7	.1							9.8	7.8
SSE	.7	2.6	4.7	3.9		.1						12.0	9.0
S	1.0	4.0	4.1	3.2	.9	.1						13.5	8.4
SSW	.7	1.0	1.2	2.0	1.6	.1						6.7	11.8
SW	.5	.2	.7	2.9	.7							4.2	12.0
WSW	.7		.7	1.5	.6	.4	.1					4.1	13.1
W	.1	.4	.7	1.5	.5	.9						4.1	14.0
WNW	.4		.5	.5	.2	.1	.1					1.9	12.5
NW	.2		.2	.2		.1						.9	10.4
NNW	.4	.7	.2	.5	1.2	.4	.4					3.9	15.0
VARBL													
CALM												6.2	
	12.2	18.5	20.1	21.0	8.2	6.0	.9					100.0	9.6

TOTAL NUMBER OF OBSERVATIONS 205

DATA PROCESSING BRANCH
ETAC/USAF
AFD WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 94015 STATION NAME FORT CARSON CO/BUTTS AAF YEARS 67-76 MONTH PK MONTH 1200-1400 HOURS (L.S.T.)
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.5	1.7	3.1	4.4	2.5	.2	.1				12.7	10.9
NNE	.1	.6	1.0	.5	.4	.5	.1	.2				3.4	14.8
NE	.1	.6	1.0	.0								2.3	8.4
ENE	.5	1.4	.9	.2								3.0	6.2
E	.4	1.7	2.0	.4								4.4	7.2
ESE	.7	1.1	1.7	1.5								5.0	3.2
SE	.5	1.4	2.8	3.7	.4							8.7	10.0
SSE	.4	2.2	3.1	6.0	.4	.4						12.4	10.9
S	.4	2.1	5.8	7.3	1.4	.1						17.0	11.1
SSW	.1	.5	1.4	1.7	1.0	1.2	.1					6.0	14.9
SW		.4	1.0	2.1	1.4	.6						5.4	14.6
WSW		.2	.7	1.8	1.0	.9						4.7	15.1
W	.4	.5	1.0	1.5	1.1	.1						4.6	12.4
WNW	.2	.5	.4	1.1	.5	.2						3.0	12.7
NW		.1	.5	.9	.1							1.6	12.1
NNW	.1	.5	.7	1.4	.4	.4						3.6	12.4
VARBL													
CALM												7.2	
	4.1	14.3	25.7	33.7	12.3	6.9	.5	.4				100.0	11.9

TOTAL NUMBER OF OBSERVATIONS 913

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 24015 STATION NAME FORT CARSON CO/BUTTS AAF YEARS 67-75 NORTH 48N
CLASS ALL WEATHER HOURS (L.S.T.) 1500-1700
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.7	1.0	4.3	2.7	3.8	.3					14.8	15.8
NNE	.1	.7	.3	1.4	1.4	.4	.1					4.4	14.6
NE	.3	.8	.3	.9	.1							2.3	9.5
ENE	.3	1.2	.9	.5	.1							3.0	7.9
E	.3	.3	1.2	.5								2.2	8.1
ESE	.5	.8	1.2	1.6	.1							4.2	3.9
SE	.1	1.2	2.7	3.4	.4	.1						7.9	10.8
SSE	.3	1.3	4.0	4.2	.9							11.7	10.8
S	.4	1.6	6.0	6.5	.8	.5						16.4	11.0
SSW	.5	.5	1.3	1.4	1.4	.5						5.7	13.1
SW	.3	.4	1.7	3.1	2.2	.4						8.1	13.5
WSW	.3	.4	1.0	2.6	.8		.1					5.2	12.3
W		.8	1.4	2.7	1.0	.5	.1					6.6	13.7
WNW	.1	.3	.7	1.4	.3							3.0	11.1
NW	.1	.1	.3	.5	.3							1.3	11.2
NNW	.1	.1	.5	1.0	.7							2.9	13.3
VARBL													
CALM												1.2	
	3.9	12.3	20.0	30.7	13.3	6.2	.7					100.0	12.1

TOTAL NUMBER OF OBSERVATIONS 708

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

74015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

68-75
YEARS

APR
MONTH

ALL WINDS
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.1	2.4	6.9	1.8	1.8	.2					16.1	12.9
NNE	.2	.8	1.0	1.0		.3						4.3	7.7
NE	.6	.5	.8	.5								2.4	7.1
ENE	.7	.8	.8	.3								2.2	6.6
E		.3	1.1	.3								1.8	8.8
ESE	.4	1.1	1.4	.6	.2							4.1	7.8
SE	.8	.8	1.1	.8	.2							3.7	7.6
SSE	1.0	2.2	1.1	1.1	.2							5.6	7.1
S	1.9	4.6	2.2	1.1	.3							10.2	7.7
SSW	1.1	1.6	2.4	1.0	.5	.3						6.9	8.7
SW	.8	2.6	1.3	1.1	.2							5.9	5.8
WSW	1.3	1.4	2.2	1.8								6.7	7.9
W	1.0	2.9	4.6	2.9		.3						11.6	8.7
WNW	.6	1.9	1.3	.5								4.5	6.5
NW	.6	1.1	.5	1.0								3.2	7.3
NNW	.3	1.6	1.3	1.3	1.0		.2					5.6	11.0
VARBL													
CALM												5.3	
	13.2	26.3	25.4	22.6	4.1	2.7	.2					100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 527

DATA PROCESSING BRANCH
 FTAL/USAF
 AIR WEATHER SERVICE/44C

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 24015 STATION NAME FORT CARSON CU/BUITS AAF YEARS 68-70
 ALL WEATHER CLASS NORTH 2100-2300 HOURS (LST)
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.5	6.7	4.1	5.2	1.5	.7	.4					20.2	9.9
NNE	1.5	.4	1.5	.7	.4	.4						5.2	8.6
NE	.4	.4	.4	.4								1.5	8.5
ENE	.4	.7										1.1	3.7
E	.4	.7	.7									1.9	5.2
ESE	.7	.4										1.1	3.7
SE	.4				.4							.7	10.5
SSE		.7	1.5	.7	.4							3.4	7.4
S	1.5	3.0	1.5									6.0	4.7
SSW	1.5	2.2	.7	.4								4.9	5.1
SW	1.1	2.6	1.1	1.1								6.0	6.4
WSW	1.1	3.0	3.4	.7	.4							8.6	7.2
W	.4	3.7	2.6	1.1		.4		.4				8.6	7.0
WNW	2.6	.4	1.1									4.1	4.3
NW	1.5	2.6	.7									4.9	5.0
NNW	1.5	4.5	1.5	1.5	.7							10.1	7.4
VARBL													
CALM												11.6	
	16.9	32.2	21.3	12.0	3.7	1.5	.4	.4				100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 267

5

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

94015 FORT CARSON CO/BUTTS AFB 67,70-75 MAY
STATION STATION NAME YEARS MONTH
ALL WEATHER 0300-0500
CLASS HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.0	12.4	3.1	4.1	.5	.5						24.4	7.1
NNE	1.0	1.0										2.0	2.6
NE	.2	1.5	.2									2.6	5.2
ENE	.5											.5	2.0
E		1.0										1.0	4.5
ESE													
SE		1.0	1.0									2.1	6.5
SSE	2.1	.5	1.0									4.1	5.0
S		1.0	2.1	.5								3.6	8.1
SSW	.5	1.0										1.6	3.7
SW	.5	1.0										1.6	4.3
WSW	1.0	1.0	.5	.5	.5							4.1	7.3
W		1.6										1.6	4.3
WNW	1.0	2.1	1.0									4.1	4.6
NW	1.6	7.8	3.1									12.4	5.2
NNW	1.0	10.4	3.6	.5	1.0	.5	.5					18.1	7.6
VARBL													
CALM												15.5	
	15.0	43.5	10.6	5.7	2.1	1.0	.5					100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 1.3

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/HAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 94315 STATION NAME FORT CARSON CU/BUTTS AAF YEARS 67-75 MONTH MAY
CLASS ALL ALL TIME HOURS (L S T.) 0600-0800
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.8	9.0	6.8	3.8	1.3	.4						26.0	7.3
NNE	2.3	1.8	.4	1.0								5.6	5.4
NE	.3	.7	.7	.1	.1							1.8	7.4
ENE	.4	.7	.3	.1								1.4	5.8
E	1.3	.5	.1									2.0	3.3
ESE	1.0	1.3	.9									3.3	5.0
SE	1.4	1.0	1.4	.1								4.0	5.4
SSE	1.2	1.7	2.9	.9								6.6	4.7
S	2.0	1.8	2.3	1.6	.1							7.9	7.0
SSW	.8	1.2	.7	.3								2.9	5.6
SW	.3	.5	.4	.7	.1							2.0	8.9
WSW	.3	.4	.4	.7	.3							2.0	9.9
W	1.0	.1	.3	.3								1.7	4.9
WNW	.8	.4	.3			.1						1.6	5.4
NW	.7	1.3	.5									2.5	4.4
NNW	2.0	5.1	3.1	1.4		.3	.3					12.1	7.3
VARBL													
CALM												16.7	
	20.4	27.5	21.3	16.9	2.0	.8	.3					100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 768

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE / IAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 94015 STATION NAME FORT CARSON CO/BUTTS AAF YEARS 67-78
CLASS ALL WEATHER
CONDITION
NORTH 0900-1100
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	2.1	1.2	2.4	.9	.9	.4					5.7	12.1
NNE	.7	.4	2.2	1.5								4.8	8.4
NE	.4	.6	1.1	.1								2.2	6.9
ENE	.9	1.3	.7	.2								3.2	5.7
E	1.6	2.2	1.1	.4								5.3	5.4
ESE	1.2	2.4	3.1	.5								7.2	5.4
SE	1.1	4.4	4.9	1.0								11.4	6.8
SSE	2.4	5.1	5.7	3.1	.2							16.6	7.4
S	1.0	3.7	6.4	4.0	.6							16.9	8.9
SSW	.0	1.0	1.3	1.0	.1	.1						4.2	8.9
SW	.2	.5	.5	.9	.5							2.6	11.3
WSW	.4	.5	.4	1.3	.2	.1						2.9	11.1
W	.4	.1	.0	.9	.1	.2						2.2	11.3
WNW	.2	.4		.1	.2							1.0	9.8
NW		.4	.2	.2								.9	7.9
NNW	.1	.5	.5	1.2	.6	.1						3.1	11.7
VARBL													
CALM												7.0	
	12.5	25.6	30.2	19.4	3.5	1.5	.4					100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 818

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

94015 FORT CARSON CJ/BUTTS AAF 67-75 MAY
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1200-1400
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.0	1.6	2.6	1.3	1.7	.5	.1				8.9	15.7
NNE	.6	.8	2.4	1.5	.1	.1						5.5	9.3
NE	.6	.7	.8	.9								3.0	8.0
ENE	.2	.5	1.8	.3								2.9	8.1
E	.7	3.2	2.0	.2								6.1	6.0
ESE	.7	2.3	2.9	1.2	.1							7.1	7.9
SE	.6	2.9	5.9	3.1								12.4	8.6
SSE	.2	2.3	5.8	0.0	.1							14.4	10.0
S	1.0	2.6	4.7	5.8	.5	.1						14.8	9.7
SSW		1.4	.6	2.0	.5	.1						4.5	10.9
SW	.1	.5	.5	1.6	.7							3.3	12.8
WSW	.3	.6	.7	.9	.7	.3						3.6	12.2
W	.1	.7	.8	1.0		.3	.1					3.1	11.8
WNW		.2	.8	.9								2.0	9.9
NW	.1	.7	.5	.9	.1	.3						2.6	11.5
NNW	.3	.3	.0	.6	.8	.2		.1				3.0	13.5
VARBL													
CALM												2.8	
	5.5	20.8	32.2	29.6	4.0	3.3	.6	.2				100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 869

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

94015
STATION

FORT CARSON CU/BUTTS AAF
STATION NAME

67-79
YEARS

MAY
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.2	2.8	4.0	2.6	1.1	.1					12.3	13.3
NNE	.3	.8	1.6	1.2	.3	.3						4.4	10.2
NE	.3	1.6	1.1	.9	.1							4.0	8.1
ENE	.3	1.1	1.5	.4								3.2	7.4
E	.3	2.8	2.0	.4	.1							6.3	6.3
ESE	.5	1.6	2.4	1.3								5.9	8.4
SE	.5	2.1	4.2	3.2		.1						10.2	9.4
SSE	.9	1.7	3.9	3.6	.1	.1						10.1	9.2
S	.7	2.1	4.2	5.1	.7		.1					12.9	10.2
SSW	.3	.7	.9	1.7		.1	.1					3.9	10.8
SW		.7	.9	1.3	.5	.4						3.9	12.6
WSW	.4	.1	1.5	2.0	.5	.5						5.1	12.3
W	.8	.3	.8	1.9	.9	.4	.3					5.2	12.9
WNW	.1	.7	.4	.3	.4	.1						2.0	11.0
NW	.1	.3	.1	.7		.1						1.9	9.4
NNW	.1	.5	2.0	1.5	1.1	.1	.4	.4	.1			6.3	15.7
VARBL													
CALM												2.3	
	6.0	12.9	30.2	29.4	7.4	3.4	1.1	.4	.1			100.0	10.3

TOTAL NUMBER OF OBSERVATIONS

745

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

67-75
YEARS

MAY
MONTH

ALL WEATHER
CLASS

1600-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	3.0	3.7	4.3	2.6	1.0	.3					16.9	11.5
NNE	.7	1.0	1.4	1.3	.1	.4	.1					5.2	10.7
NE	.3	.3	1.2	1.0								2.7	8.8
ENE	.3	.9	.6	.1								1.9	6.5
E	.6	1.2	.6	.4								2.7	6.4
ESE	.1	.9	2.0	.9								3.0	8.3
SE	.4	.9	1.9	.6								3.7	7.4
SSE	.1	1.9	2.7	.9	.1							5.9	8.0
S	2.6	2.9	3.7	1.4	.3	.1						11.1	7.2
SSW	1.3	1.0	1.4	.7								4.5	6.8
SW	.3	2.9	1.9	.6	.1							5.5	7.1
WSW	1.0	.7	2.3	1.0	.3	.1						5.5	8.6
W	.9	3.2	2.9	1.6		.3						8.8	7.9
WNW	.3	1.6	1.4	.3	.1							3.7	7.4
WNW	.6	.7	.6	1.0	.1							3.0	8.6
NNW	.3	2.4	3.5	1.9	.4	.3	.1					8.9	9.9
VARBL													
CALM												6.2	
	12.2	24.5	31.6	16.0	4.3	2.3	.6					100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 694

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/DAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

94015 STATION FORT CARSON CO/BUTTS AAF STATION NAME 70-75 YEARS 1970-1975 MONTH 2100-2300 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4	6.1	4.1	2.0	3.4	.7						17.7	10.9
NNE	.7	.7	1.4	.7								3.4	7.2
NE	.7	1.4	.7	.7								3.4	7.0
ENE													
E			.7									.7	8.0
ESE		.7	1.4									2.0	8.0
SE	.7											.7	3.0
SSE	.7	1.4										2.0	4.0
S	2.0	3.4		.7								6.1	4.9
SSW	.7	.7		1.4	.7							3.4	9.8
SW	2.0	3.4										7.5	4.3
WSW	2.0	2.0	1.4	.7								6.1	5.3
W	2.0	6.8	2.7	.7								14.3	5.6
WNW	2.0	1.4	2.0									5.4	4.8
NW	.7	5.4	.7									6.8	4.6
NNW	.7	3.4	4.8		.7							9.5	7.4
VARBL													
CALM												10.9	
	16.3	40.8	19.7	6.8	4.8	.7						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 147

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

94015 FORT CARSON CO/BUTTS AAF 67,68-75
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
JUN
MONTH
0300-0500
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.2	11.9	3.1		.5							20.7	5.1
NNE	1.0	1.0										2.1	3.3
NE	.5											.5	2.0
ENE	.5	.5										1.0	3.0
E	.5											.5	2.0
ESE	1.0	.5										1.6	2.3
SE		1.0	.5									1.6	4.0
SSE	.5	.5	1.0									2.1	5.6
S	.5	.5	.5	.5								3.1	6.7
SSW		1.6	.5									2.1	5.8
SW	.5											.5	2.0
WSW	1.6											1.6	3.0
W	2.1	2.1										4.1	3.5
WNW	1.0	1.6										2.6	4.0
NW	2.5	6.7	1.0									10.9	4.3
NNW	4.7	18.1	7.3	1.0								31.1	5.5
VARBL													
CALM												14.0	
	22.3	47.2	14.5	1.0	.5							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 193

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

94015
STATION

FORT CARSON CU/BUTTS AAF
STATION NAME

67-75
YEARS

JUN
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.7	11.0	6.7	1.8	.4	.1						24.0	6.2
NNE	2.1	1.9										4.3	3.9
NE	1.3	.6	.4									2.3	3.8
ENE	.4	.4	.1									.9	4.6
E	.3	.5	.4									1.7	4.2
ESE	.5	.3										.8	3.2
SE	.3	.9	.5	.5								2.8	6.0
SSE	1.6	2.2	1.8	.5								6.1	6.1
S	1.7	3.4	2.7	.9	.3	.1						9.0	7.1
SSW	.3	.9	.9	.3								2.6	6.5
SW	.1	.5	.4	.3								1.3	7.3
WSW	.1	.9	.4	.6	.1		.1					2.3	9.8
W	.3	.1	.4	.3								1.0	7.3
WNW	.4	.4	.1		.1							1.0	5.8
NW	1.0	1.4	.1									2.6	4.1
NNW	2.5	7.1	4.8	2.5								16.8	6.7
VARBL													
CALM												20.4	
	18.7	32.6	19.4	7.6	.9	.3	.1					100.0	4.9

TOTAL NUMBER OF OBSERVATIONS

774

DATA PROCESSING BRANCH
 ITAL/USAF
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

94015 FORT CARSON CO/BUTTS AAF 67-75 JUN
 STATION STATION NAME YEARS MONTH
 ALL WEATHER
 CLAS 0900-1100
 CONDI HOUR (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.0	1.0	2.4	1.5	.4	.1						6.0	9.5
NNE	1.0	1.1	.8	1.3								4.1	7.3
NE	1.3	.9	.4	.1								2.6	4.1
ENE	.6	1.3	.5	.1	.1							2.6	6.1
E	2.3	3.5	.9									6.6	4.7
ESE	1.9	2.6	2.6	.1								7.2	5.6
SE	1.3	3.2	3.3	1.5								9.2	7.1
SSE	3.0	3.8	6.6	3.4	.5							17.3	7.9
S	2.1	4.5	7.3	3.8	.9							18.6	8.2
SSW	.9	.6	.8	1.8	.4	.1						4.5	9.8
SW	.4	.4	.8	1.3	.4							3.1	10.8
WSW	.3		.9	.9	.6							2.6	11.6
W	.4		.3	.6	.5		.1	.1				2.0	15.3
WNW	.1	.3	.1	.1	.1							.8	9.2
NW	.5	.4	.3									1.1	4.4
NNW	.5	.4	.8	.6	.4							2.6	7.4
VARBL													
CALM												8.9	
	16.9	23.8	28.5	17.1	4.3	.3	.1	.1				100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 797

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/4AC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

94015 STATION FJPT CARSON CO/BUITS AAF STATION NAME 67-75 YEARS JUN MONTH 1200-1400 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.8	1.3	1.7	.9	.3						5.2	11.9
NNE	.2	1.4	1.0	.6								3.3	7.3
NE	.2	.7	.6	.2								1.7	6.8
ENE	.7	1.7	1.4		.1							4.2	6.0
E	1.2	3.4	3.1	.6								8.3	6.5
ESE	1.0	2.7	2.6	.8								7.1	6.7
SE	.6	2.4	5.2	2.0	.2							10.5	3.6
SSE	.5	3.3	6.8	4.1	.2							14.8	9.1
S	.9	2.8	7.1	6.7	1.3	.1						18.8	10.3
SSW	.6	1.0	2.0	2.0	.6	.3						6.5	10.6
SW	.2	.9	1.3	1.4	.5							4.3	9.9
WSW	.1	1.0	.8	1.4	.3							3.7	10.0
W	.2	.6	.6	.6	.6	.5	.3	.1				3.5	15.3
WNW	.1	.7	.3	.1	.1							1.4	7.7
NW		.1	.1	.6	.1	.5						1.4	15.3
NNW	.1	.1	1.2	.7	.1	.2						2.4	12.1
VARBL													
CALM												2.8	
	6.8	23.8	35.4	23.7	5.1	2.0	.3	.1				100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 858

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

94015 FORT CARSON CO/BUTTS AAF 67-75 JUN
STATION STATION NAME YEARS MONTH
ALL WEATHER 1500-1700
CLASS HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	.4	1.2	2.5	2.7	1.0	.4	.1					8.4	11.8
NNE	.2	.6	.0	1.1	.2	.4						3.2	12.0
NE	.2	.9	1.1	.2								2.5	6.9
ENE	.0	1.2	1.0	.2	.1							3.2	6.5
E	1.2	3.2	3.1	.7								8.4	6.7
ESE	.4	1.6	2.5	.2								4.7	7.0
SE	.7	2.4	3.5	1.0	.1							7.7	7.9
SSE	.5	2.2	4.4	2.9	.5							10.5	9.4
S	.6	2.0	5.2	3.7	.4	.1						12.1	9.6
SSW	.2	.6	1.0	3.0	.2	.4						5.5	12.2
SW	.2	.4	2.5	1.2	.2							4.6	9.5
WSW	.2	1.2	1.9	3.1	.1							6.6	10.4
W	.4	.9	1.9	1.1	.2	.4	.2					5.1	11.3
WNW		.7	1.4	.4	.2							2.7	9.3
NW		1.0	.4	.4		.2	.2	.1				2.9	12.4
NNW	.1	1.0	2.2	2.1	1.1							6.6	11.1
VARBL													
CALM												5.2	
	6.2	21.3	35.7	24.3	4.6	1.9	.0	.1				100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 802

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

94015 FORT CARSON CO/BUTTS AAF

67-75

JUN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1800-2000

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.0	3.5	1.6	1.0	.3	.1					11.3	8.9
NNE	.1	1.0	.9	1.2	.1	.1						3.5	10.1
NE	.0	.7	.6	.4	.3							2.7	7.6
ENE	.4	1.2	.7	.1								2.5	5.9
E	1.0	1.7	.0	.7	.1							4.2	6.6
ESE	.6	1.7	1.4	.7								4.5	6.9
SE	.6	1.0	2.6	.6								4.8	7.3
SSE	.6	1.3	3.3	1.0								6.2	7.7
S	1.3	2.6	2.0	1.9	.1							8.5	7.4
SSW	.9	1.0	1.0	1.6								4.5	8.2
SW	.0	.9	1.3	.9	.1							3.8	8.2
WSW	1.0	2.0	3.5	1.3	.1	.1						8.1	8.1
W	1.6	4.0	1.5	.9	.7		.1					8.9	7.4
WNW	1.4	2.5	1.0	.7	.3							6.1	6.3
NW	.7	1.3	.7	.7	.1							3.6	7.2
NNW	2.0	2.0	1.7	2.0	.0	.4	.1					8.9	9.2
VARBL													
CALM												8.1	
	15.2	28.3	27.0	16.3	3.8	1.0	.4					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 093

DATA PROCESSING BRANCH
 FTAC/USAF
 AIP WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

94015
STATION

FJRT CARSON CO/BUTTS AAF
STATION NAME

70-15
YEARS

JUL
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.1	4.1	2.0	2.7								12.9	6.1
NNE	.7	.7	1.4	1.4								4.1	8.2
NE		.7		.7								1.4	8.0
ENE	1.4											1.4	2.5
E	1.4		.7									2.0	4.3
ESE	1.4		.7	.7								2.7	6.5
SE	.7	1.4	.7									2.7	5.3
SSE	1.4		.7									2.0	4.3
S	2.0	.7										2.7	3.0
SSW		2.7	.7									3.4	5.6
SW	.7	.7	.7									2.0	5.7
WSW	1.4	4.1	1.4									6.8	4.6
W	4.8	8.2	4.1	1.4								18.4	5.9
WNW	1.4	1.4	.7	1.4	.7							5.4	8.1
NW	1.4	1.4	.7	.7								4.1	6.0
NNW	2.0	6.1	2.7	2.0								12.9	6.6
VARBL													
CALM												15.0	
	24.5	32.0	17.0	10.9	.7							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 147

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

94015 FLPT CARSON CJ/BUTTS AAF 67,00-75 JIL
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.8	15.3	0.2	1.9	.5							28.7	5.9
NNE	.5	1.0			.5							1.9	8.3
NE	.5											.5	3.0
ENE		.5										.5	6.0
E		.5										.5	4.0
ESE	.5		.5									1.0	4.5
SE													
SSE	.5	1.0	.5									1.9	5.3
S		1.0	1.4	1.0								3.3	8.9
SSW	1.4	.5										1.9	2.8
SW													
WSW		1.0	.5									1.4	5.7
W	2.9	1.0										3.8	3.3
WNW	.5	1.0										1.4	4.3
NW	3.8	5.3	1.4									10.5	4.3
NNW	5.3	19.1	2.4		.5							27.3	4.9
VARBL													
CALM												15.3	
	20.6	46.9	12.9	2.9	1.4							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 209

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

94015 FORT CARSON CU/BUTTS AAF 67-75 JUL
STATION STATION NAME YEARS NORTH
ALL WEATHER
CLASS
CONDITION
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	6.5	12.7	6.3	4.0	1.4	.5						31.3	7.1
NNE	1.4	2.4	.4	.3	.1							4.6	4.9
NE	1.0	.8	.1									1.9	3.5
ENE	1.0		.1									1.2	2.7
E	1.2	1.0										2.2	3.3
ESE	1.2	.5	.1									1.8	3.5
SE	.8	1.2	.3									2.2	4.4
SSE	.8	1.2	1.2	.6								3.7	6.7
S	1.5	1.3	1.5	.5								4.9	6.0
SSW	.4	.6	.4									1.4	5.5
SW	.1	.3	.1	.1								.6	7.2
WSW		.5		.1								.5	5.2
W	.8		.1	.1								1.0	4.1
WNW	.4	.1										.5	2.3
NW	1.4	2.7	1.2									5.2	4.9
NNW	3.1	8.2	4.0	1.0	.1	.1						16.5	6.0
VARBL													
CALM												20.3	
	21.5	33.4	15.7	6.8	1.7	.0						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 782

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

94015 FORT CARSON CO/BUTTS AAF 67-75 JUL
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.9	3.0	2.4	1.3							10.1	9.5
NNE	.5	2.2	2.4	.6		.1	.1					5.9	7.7
NE	1.1	1.6	1.1	.2								4.0	5.8
ENE	1.0	1.9	.8	.4								4.7	5.3
E	2.4	2.9	1.3									6.7	4.6
ESE	1.8	3.0	1.3	.1								6.3	5.1
SE	2.7	5.0	3.8	.4								11.8	5.7
SSE	2.7	5.8	3.4	1.5								13.3	6.1
S	3.4	4.0	5.0	1.9	.1							14.4	6.9
SSW	.4	.8	.4	.2								1.8	6.1
SW	.2	.2	.2	.1								.8	6.7
WSW		.5	.2	.5								1.2	7.1
W	.7	.1	.2	.7								1.8	7.8
WNW	.4	.1	.1									.6	4.6
NW	.2	.2	.2		.1							.8	6.7
NNW	.2	.8	1.1	.6								2.8	8.1
VARBL													
CALM												12.8	
	19.6	31.3	24.7	9.7	1.6	.1	.1					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 825

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/HAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

67-75
YEARS

JUL
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.9	2.1	2.1	.8	.2						7.4	10.2
NNE	.4	1.5	3.1	.7	.3							6.1	8.2
NE	.1	1.5	1.9	.6	.1							4.2	7.8
ENE	.1	1.3	1.5	.2								3.2	6.9
E	1.9	3.9	3.2	.7								11.6	6.0
ESE	.6	3.1	4.8	.4	.1							9.0	7.1
SE	.8	4.9	5.2	1.2								12.0	7.0
SSE	.8	2.7	5.6	3.8								12.7	8.7
S	1.0	2.8	3.6	2.8	.1							10.3	8.3
SSW	.1	1.7	1.0	.6	.1							3.4	7.7
SW	.6	.8	.7	.1								2.1	5.5
WSW	.7	.8	1.0	.9	.1	.1						3.5	8.6
W	.3	.7	1.7	.9	.1							3.6	8.8
WNW	.3	.1	.7	.3								1.4	8.4
NW	.1	.3	1.0	.1	.2							1.8	9.3
NNW	.6	.9	.8	.9	.2		.1					3.4	9.4
VARBL													
CALM												4.2	
	8.6	30.7	37.8	16.0	2.2	.3	.1					100.0	7.6

TOTAL NUMBER OF OBSERVATIONS

905

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

67-75
YEARS

JUL
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	1.6	2.6	5.4	1.8	.2						12.4	11.6
NNE	.7	1.3	1.6	.5	.1							4.2	7.7
NE	.4	.8	1.3	.4								2.9	7.2
ENE	.2	1.3	1.1	.2								2.9	6.9
E	1.4	2.5	1.2	.2								5.4	5.4
ESE	.8	2.1	2.4	.6								5.9	6.9
SE	1.0	3.3	3.4	1.1								8.7	7.0
SSE	.8	3.4	3.4	3.4	.1	.1						11.2	8.6
S	.8	2.3	3.5	2.3		.1						9.1	8.4
SSW	.4	1.2	.7	1.2	.1							3.6	8.6
SW	.5	1.1	1.4	.6								3.6	7.3
WSW	.4	1.2	1.3	1.1	.1							4.1	8.6
W	1.0	1.0	1.3	.8		.2						4.3	8.3
WNW	.1	.5	.5	.5	.5							2.1	11.1
NW	.5	1.2	1.7	1.1	.4							4.8	9.1
NNW	.2	2.2	2.1	4.1	1.0							9.5	10.6
VARBL													
CALM												5.1	
	9.9	26.9	29.7	23.6	4.1	.7						100.0	8.2

TOTAL NUMBER OF OBSERVATIONS

824

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

67-75
YEARS

JUL
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	3.3	3.7	4.7	1.1	.7	.3					14.7	10.8
NNE	.7	.8	1.4	.1	.3							3.3	7.5
NE	1.0	1.0	.4	.1								2.5	4.7
ENE	.4	.8	.4	.4								2.1	6.5
E	1.0	1.5	1.0	.3								3.7	5.7
ESE	.7	1.0	1.1	.7								3.5	7.1
SE	1.2	1.5	.4	.7	.3							4.1	6.7
SSE	1.2	2.8	2.4	.3								6.6	6.0
S	1.5	2.6	1.9	.8	.1							7.1	6.4
SSW	1.7	.8	.8	.6	.1							4.0	5.8
SW	.7	1.1	.7	.7								3.2	6.8
WSW	1.8	1.4	2.2	.6								5.9	6.4
W	1.7	3.3	2.6	.6	.3							8.4	6.4
WNW	.7	1.2	.7	.4	.3							3.3	7.0
NW	.4	2.1	1.4	.8	.6							5.3	8.6
NNW	1.1	3.2	3.6	3.6	.0	.1						12.2	9.0
VARBL													
CALM												10.1	
	16.6	28.5	24.8	15.4	3.6	.8	.3					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

723

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

68-75
YEARS

JUL
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.5	4.7	5.8	2.3	1.2							17.4	7.6
NNE		2.3	2.3	.6								5.2	7.1
NE	1.2	1.2	.6									2.9	4.6
ENE			.6									.6	8.0
E		1.2	1.7									2.9	7.6
ESE		.6	.6									1.2	6.0
SE													
SSE	1.7											1.7	2.3
S	1.7	4.1	1.2									7.0	4.8
SSW	1.2											1.2	1.5
SW	2.3	1.7	.6									4.7	3.9
WSW	3.5	3.5	1.7	.6								9.3	4.9
W	2.3	4.1	1.7	.6	.6							9.3	6.1
WNW	.6	2.9										3.5	3.8
NW	.6	1.7	.6									2.9	4.8
NNW	4.1	6.4	3.5	2.3								16.3	6.1
VARBL													
CALM												14.0	
	22.7	34.3	20.9	6.4	1.7							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 172

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

69
YEARS

AUG
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		16.7										16.7	4.0
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW		16.7										16.7	4.0
SW													
WSW	16.7											16.7	2.0
W													
WNW													
NW													
NNW													
VARBL													
CALM												50.0	
	16.7	33.3										100.0	1.7

TOTAL NUMBER OF OBSERVATIONS 6

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

67,69-75
YEARS

AUG
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	6.2	14.1	3.5	1.3	1.3	.4						26.9	6.0
NNE	1.8	.9	.4									3.1	3.9
NE	.9											.9	2.5
ENE	1.3	.4										1.8	2.8
E	.4	.4										.9	3.5
ESE													
SE	.4	.4										.9	4.5
SSE	.4	1.8	.4									2.6	5.0
S	.9		.9									1.8	5.8
SSW													
SW	.9											.9	1.5
WSW	.9	.4	.4									1.8	5.0
W		1.3										1.3	4.0
WNW	.9	1.8										2.6	3.2
NW	3.5	7.9	2.2									13.7	4.8
NNW	6.2	15.0	4.0	1.8								26.9	5.3
VARBL													
CALM												14.1	
	24.7	44.5	11.9	3.1	1.3	.4						100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 227

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

94015 FORT CARSON CO/BUTTS AAF 67-75 ALL WEATHER
STATION STATION NAME YEARS MONTH 0600-0800
HOURS (L.S.T.)
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.8	15.3	5.8	4.2	.9	.2						32.3	6.7
NNE	3.1	2.0	.7	.4	.1							6.3	4.7
NE	1.5	.7	.1									2.3	2.9
ENE	.9	.7										1.6	3.1
E	.5	.1										.6	2.2
ESE	.2	.6										.9	4.1
SE	1.0	.0	.4									2.0	3.8
SSE	.7	1.4	.4	.4								2.8	5.2
S	1.1	1.0	.5	.2								2.8	5.1
SSW	.9	.5	.2									1.6	3.7
SW	.1	.5	.1	.4								1.1	7.1
WSW	.5											.5	1.8
W	.2		.5	.1		.1						1.0	9.5
WNW	1.4	.1		.1								1.6	2.9
NW	1.2	3.0	.6	.1								4.9	4.6
NNW	4.6	8.9	4.2	1.1								18.8	5.4
VARBL													
CALM												19.8	
	23.7	35.5	13.6	7.0	1.0	.4						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 809

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

94015 STATION FORT CARSON CO/BUTTS AAF STATION NAME 67-75 YEARS AUG NORTH
ALL WEATHER CLASS 0900-1100 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	2.8	3.9	4.1	1.6							14.1	9.6
NNE	1.7	1.3	2.3	1.2	.1							6.6	7.3
NE	1.1	2.0	.7	.1								4.0	5.0
ENE	1.7	1.2	.7									3.6	4.2
E	2.2	2.5	.6									5.3	4.2
ESE	1.8	2.5	.8									5.2	4.6
SE	4.3	3.9	2.4	.2								10.8	4.9
SSE	3.7	4.7	2.9	.5								11.8	5.3
S	2.7	4.5	3.0	1.2								11.3	6.0
SSW	.7	.4	.4	1.1								2.5	8.0
SW	.2	.2	.5	1.0								1.9	9.8
WSW	.4	.1	1.2	.4	.1							2.2	8.8
W	.5	.1	.5	.1								1.2	6.5
WNW	.2	.2										.5	3.5
NW	.5	.2	.1	.1								1.6	4.8
NNW	.4	.1	1.9	.5								2.9	9.0
VAI L													
CALM												14.5	
	23.9	27.5	21.9	10.5	1.8							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 830

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

94015 FORT CARSON CO/BUTTS AAF

87-75

ALL

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1200-1400

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.8	2.1	3.7	.7							9.2	9.9
NNE	.6	.8	1.4	1.4	.1							4.2	9.0
NE	1.1	2.1	2.1	.3								5.6	6.2
ENE	.6	1.5	1.9	.3								4.6	6.5
E	2.4	3.4	3.5	.1								9.5	5.8
ESE	.9	3.0	3.2	.5								7.5	6.5
SE	.7	5.0	4.1	1.3								11.1	7.0
SSE	1.6	4.8	6.1	2.1	.1							14.6	7.5
S	1.1	3.8	3.9	3.0								11.8	7.8
SSW	.5	.6	1.3	1.1	.1							3.5	9.0
SW	.3	.3	.7	.8	.1							2.3	9.6
WSW	.3	.5	.3	.3								1.5	7.0
W	.3	.3	1.0	.8	.1							2.6	8.8
WNW	.2	.8	.6	.5	.1							2.2	7.8
NW		.1	.3	.5	.1	.1						1.1	11.9
NNW	.7	.8	1.1	.6	.6							3.8	8.8
VARBL													
CALM												4.9	
	12.7	29.6	33.0	17.1	2.1	.1						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

876

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

67-79
YEARS

AUG
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.0	3.0	4.7	1.2							10.6	11.1
NNE	.4	1.2	1.1	1.2	.1	.2						4.2	9.3
NE	.1	1.0	.7	.5								2.3	7.2
ENE	.4	1.2	1.7	.8								4.1	7.5
E	1.1	2.8	2.2	.2								6.4	6.0
ESE	1.0	2.5	3.6	.6	.1							7.9	7.1
SE	.7	3.4	6.5	1.3								12.0	7.6
SSE	.6	3.4	5.0	1.6								11.1	7.9
S	1.3	2.9	4.1	1.2	.1							9.7	7.3
SSW	.4	1.4	1.2	.7								3.7	7.5
SW	.5	.7	1.4	1.0	.4							4.0	8.8
WSW	.5	.8	1.7	.6	.1							3.7	8.3
W	.6	1.2	3.1	1.6	.1							6.6	8.4
WNW	.6	.7	.5	.5	.1							2.4	7.3
NW	.7	.7	.4	.7	.1		.1					2.8	8.9
NNW	.4	.7	1.6	1.2	.5							4.3	9.9
VARBL													
CALM												4.1	
	9.9	25.8	38.4	18.5	2.9	.2	.1					100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 628

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 94015 STATION NAME FORT CARSON CO/BUTTS AAF YEARS 67-75
CLASS ALL WEATHER
CONDITION
MONTH AUG
1800-2000
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	2.6	3.9	3.0	1.0	.1						12.4	9.2
NNE	1.0	1.9	.3	.4								3.5	5.5
NE	.7	.5	.5		.1							1.9	3.6
ENE	.3	.4	.5	.1								1.4	6.1
E	1.0	1.0	.4	.4								3.5	5.0
ESE	1.0	1.9	.5	.5								4.8	5.0
SE	2.0	4.2	2.6	1.0								9.8	5.9
SSE	1.0	3.1	2.4	.8								8.0	6.2
S	1.8	2.7	1.8	.4								6.7	5.4
SSW	.5	1.0	.7	.1								3.0	5.7
SW	1.4	1.4	1.0	.1	.1							3.9	5.6
WSW	2.0	2.0	1.4		.3							5.7	5.4
W	1.9	3.9	2.0	1.6								9.5	6.5
WNW	1.5	1.4	.7	.3	.1							3.9	5.8
NW	1.4	1.4	.4	.3								3.4	4.9
NNW	1.9	3.9	2.2	1.0	.3							9.3	6.5
VARBL													
CALM												9.3	
	23.3	34.0	21.4	10.1	1.9	.1						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 735

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/HAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

94015 FORT CARSON CO/BUTTS AAF 69-75 AUG
STATION STATION NAME YEARS NORTH
ALL WEATHER
CLASS
CONDITION
2100-2300
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.2	6.1	5.0	1.7	.6	.6						16.1	7.4
NNE	.6	1.1	1.1	.6								3.3	5.8
NE	.6	.6	.6									1.7	4.3
ENE	.6											.6	2.0
E		1.7	1.1									2.8	6.2
ESE		1.1	.6									1.7	6.7
SE	1.1	.6	.6									2.2	4.8
SSE	2.2	.6										2.8	2.4
S	2.8	2.8	1.1									6.7	4.2
SSW	1.7	.6										2.2	2.8
SW		1.1	1.1									2.2	6.5
WSW	2.2	3.9	.6									6.7	4.3
W	1.1	4.4	.6									6.1	4.5
WNW	1.7	3.3	.6									5.6	4.4
NW	1.1	3.3										4.4	4.9
NNW	2.8	8.3	2.8									13.9	4.8
VARBL													
CALM												21.1	
	20.6	39.4	15.6	2.2	.6	.6						100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 180

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

67,69
YEARS

SEP
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW		6.3										6.3	5.0
NNW		12.5										12.5	4.5
VARSL													
CALM												81.3	
		18.8										100.0	.9

TOTAL NUMBER OF OBSERVATIONS

16

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

94015

FORT CARSON CO/BUTTS AAF

67,00-74

SEP

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0300-0500

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.6	14.0	2.8	4.7	.9		.5					28.4	7.1
NNE		.5	.5	.9	.5							2.3	12.0
NE	.9	.9										1.9	3.5
ENE													
E	.5											.5	3.0
ESE	.5	.5										.9	3.0
SE	1.4	.9	.5									2.8	4.2
SSE		4.7	1.9	.5								7.0	5.9
S	1.4		1.9									3.3	5.9
SSW	.9	.5	.5									1.9	4.0
SW	.9											.9	2.0
WSW		.9	.									1.4	6.7
W	1.4	2.3										3.7	3.6
WNW	.9	1.4										2.3	4.2
NW	1.9	5.1	1.4									8.4	4.9
NNW	5.6	9.8	2.3	1.4								19.1	5.0
VARBL													
CALM												15.3	
	21.9	41.4	12.1	7.4	1.4		.5					100.0	4.9

TOTAL NUMBER OF OBSERVATIONS

215

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

66-74
YEARS

SEP
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	7.1	11.6	4.3	4.9	1.1	.5	.1					29.6	7.2
NNE	2.3	.7	.1	.5		.3	.1					4.0	6.7
NE	.5	.8	.1	.1								1.6	5.0
ENE	.4	.4	.1	.1								1.1	5.1
E	.5	.1										.7	2.6
ESE	.8	.4	.1									1.3	3.6
SE	.7	1.3	.8									2.8	5.3
SSE	2.1	3.1	1.6									6.8	5.1
S	1.6	2.0	2.7	.1								6.4	5.9
SSW	.5	.4	.7	.4								2.0	7.0
SW	.4	.1	.7	.1								1.3	7.0
WSW	.5	.4	.7	.3								1.9	6.6
W	.7	.4	.7									1.7	5.2
WNW	.4	.9										1.3	3.9
NW	2.1	4.0	.5	.1								6.8	4.6
NNW	3.3	7.9	4.1	1.2	.3							16.8	6.1
VARBL													
CALM												13.8	
	24.0	34.6	17.2	8.0	1.3	.8	.3					100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

749

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

66-76
YEARS

SEP
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.2	3.0	1.4	1.3	.4	.4					10.2	10.5
NNE	1.4	2.0	.9	.4	.3	.1						5.1	6.7
NE	.8	1.2	.8	.3								2.9	6.0
ENE	1.2	1.7	.4	.1	.1							3.5	5.1
E	1.3	2.0	.4									3.7	4.3
ESE	1.3	2.4	1.3									5.0	5.3
SE	2.3	3.2	2.6	.3								8.3	5.5
SSE	2.6	5.9	6.0	2.4								16.9	7.1
S	2.6	4.7	5.0	1.7	.1							14.1	6.8
SSW	1.0	.5	1.8	1.2								4.5	7.9
SW	.3	.6	.9	.9	.1							3.1	8.7
WSW	.1	.3	.9	1.7	.3							3.5	12.1
W	.1	.4	.6	.4								1.5	8.8
WNW	.3	.1	.4	.1								.9	6.6
NW	.3	.4	.1									.8	4.5
NNW	.6	1.4	1.0	1.3	.5	.3						5.1	9.9
VARBL													
CALM												10.9	
	17.3	29.1	26.6	12.0	2.9	.8	.4					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 781

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

94015 FORT CARSON CO/BUTTS AAF 66-74 SEP
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1200-1400
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.7	1.3	1.8	1.4	.4	.5					6.3	14.5
NNE	.3	.8	.8	1.2	.1							3.1	9.0
NE	.1	.7	.7									1.4	6.3
ENE	.9	2.0	.3									3.1	4.2
E	2.0	2.7	2.5	.3								7.4	5.6
ESE	.5	3.3	3.0	.4								7.2	6.5
SE	1.2	3.0	5.6	2.3								12.1	7.8
SSE	1.6	4.0	10.8	3.8	.1							20.4	8.2
S	1.2	2.7	7.3	4.3	.3							15.8	8.8
SSW	.1	1.0	1.3	1.7	.5							4.7	10.6
SW	.1	.1	.5	2.9	.1							3.8	12.5
WSW	.1	.4	1.0	2.1	.9							4.6	12.6
W	.4	.7	.3	1.3	.3							2.9	10.1
WNW	.3	.1	.1	.3								.8	6.3
NW		.1	.3									.4	7.7
NNW	.5	.5	.8	2.0	.3		.1					4.2	10.8
VARBL													
CALM												1.8	
	9.4	22.8	36.6	24.3	4.0	.4	.7					100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 766

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

66-74
YEARS

SEP
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.0	2.8	2.5	.9	.4	.1					7.8	12.1
NNE	.1	.3	.6	.7	.3							2.0	10.7
NE	.4	.7	.9	.4	.1							2.6	7.6
ENE	.9	.6	.4	.3								2.2	5.5
E	1.9	3.3	1.3	.1								6.7	5.1
ESE	1.0	2.9	5.4	.7								10.0	7.1
SE	.7	3.3	6.7	1.7								12.5	7.9
SSE	1.0	2.8	7.6	3.6	.3							15.3	8.6
S	1.2	4.1	6.5	5.2	.6							15.6	8.3
SSW	.1	1.2	1.6	1.3	.1	.1						4.5	9.8
SW	.1	.6	1.2	1.3	.1							3.3	10.3
WSW		.3	.6	2.5	.4							3.8	13.0
W	.3	.3	1.5	.7		.3						3.1	10.6
WNW	.3	.3	.7	.7	.1							2.2	9.7
NW	.4	.7	.6	.4	.1							2.3	7.4
NNW		.9	1.0	.7	.4	.1						3.2	10.6
VARBL													
CALM												2.9	
	8.7	23.3	39.2	21.1	3.6	1.0	.1					100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 688

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/HAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

94015 FORT CARSON CO/BUTTS AAF 66-74 SEP
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1800-2000
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	1.4	3.7	2.4	3.7	1.4	.3						12.9	9.8
NNE	.5	.6	.8	.8	.2							2.9	8.9
NE	.3	.8	1.0	.2								2.2	7.0
ENE	.5	.8	.5	.2								1.9	5.6
E	1.0	.8	.2	.2								2.1	4.5
ESE	1.1	1.9										3.0	3.7
SE	1.4	2.2	1.6									5.2	5.2
SSE	2.5	4.3	2.4	.2								9.4	5.1
S	3.8	4.3	1.9	.5								10.5	4.8
SSW	2.2	1.9	.3	.8								5.2	5.3
SW	1.4	1.6	.8	.6								4.5	5.7
WSW	2.1	2.9	.8	.3								6.0	5.0
W	2.7	5.6	1.6	.6	.2							10.7	5.3
WNW	.8	1.9	.5									3.2	4.8
NW	1.3	1.6	.3									3.2	4.4
NNW	.6	4.0	1.9	.5	.2							7.2	6.4
VARBL													
CALM												10.0	
	23.7	38.8	16.9	8.4	1.9	.3						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 629

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

94015

FORT CARSON CO/BUTTS AAF

67,69-74

SEP

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

2100-2300

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	4.4	1.3	3.8	1.3							11.9	9.1
NNE		1.9	1.3									3.1	6.0
NE	.6	3.1	.6									4.4	5.1
ENE	.6	.6										1.3	3.5
E	.6											.6	2.0
ESE	.6											.6	3.0
SE	1.3											1.3	2.0
SSE	1.9	3.8	1.3									6.9	4.5
S	5.0	5.0										10.1	3.5
SSW	2.5	.6										3.1	2.8
SW	1.3	.6	.6									2.5	5.0
WSW	1.3	6.9	.6	.6								9.4	5.3
W	2.5	2.5										5.0	4.0
WNW	1.9	1.9	.6									4.4	4.1
NW	1.9	1.9	1.3									5.0	4.4
NNW	1.3	8.8	2.5									12.6	5.5
VARBL													
CALM												17.6	
	24.5	42.1	10.0	4.4	1.3							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

159

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/IIAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 94015 STATION NAME FORT CARSON CO/BUTTS AAF YEARS 67,68-74 UCT NORTH
CLASS ALL WEATHER HOURS (L.S.T.) 0300-0500

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.0	16.1	4.8	3.6	2.4							29.8	7.4
NNE	.6			.6								1.2	6.5
NE													
ENE													
E		.6										.6	6.0
ESE	.6											.6	2.0
SE		1.8	.6									2.4	5.8
SSE	1.2	3.0	1.2	.6								6.0	5.9
S		1.2	.6									1.8	5.3
SSW	.6	.6	1.2									2.4	5.8
SW	.6	.6	.6	.6								2.4	6.3
WSW		1.2										1.2	4.5
W	1.2	1.8	1.2	1.8								6.0	7.4
WNW	2.4	2.4										4.8	3.5
NW	2.4	4.8	2.4									9.5	5.3
NNW	1.8	8.9	3.6	1.2								15.5	6.0
VARBL													
CALM												16.1	
	14.3	42.9	16.1	6.3	2.4							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 168

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

94015 FORT CARSON CO/BUTTS AAF

66-74

JCF

0600-0800
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	7.2	13.4	5.5	3.1	2.7	.5	.1					32.5	7.3
NNE	1.4	1.2	.3	.5								3.3	5.3
NE	.6	.4										1.0	3.0
ENE	.6											.6	2.4
E	.3	.9	.1									1.3	5.3
ESE	.6	.4										1.0	2.8
SE	.4	1.3	.8									2.4	5.5
SSE	.9	1.7	1.0									3.6	5.4
S	1.3	1.7	1.0	.5	.1							4.6	6.3
SSW	.1	.5	.9	.4								1.9	8.1
SW	.4	.4	.3	.5								1.5	8.4
WSW	.8	.5	.8	.5								2.6	6.6
W	.9	1.2	.6	.6								3.3	6.4
WNW	.6	.9	.3	.1								1.9	4.9
NW	1.7	4.0	2.0									7.7	5.1
NNW	4.0	9.7	4.9	1.0		.3						19.8	5.8
VARBL													
CALM												10.9	
	21.7	38.0	18.4	7.3	2.8	.8	.1					100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

782

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

94015 FORT CARSON CO/BUTTS AAF 66-74 OCT
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
COND.TION
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	2.9	4.4	3.6	2.5	1.8						18.2	11.1
NNE	1.7	2.2	.6	.7	.5	.1						5.8	7.1
NE	1.3	1.1	.4		.1							2.9	4.6
ENE	1.0	.8	.8	.1								2.8	5.6
E	2.2	2.9	.6									5.6	4.0
ESE	.8	1.7	1.3	.2								4.1	5.8
SE	1.9	3.1	2.2	.3								7.7	5.8
SSE	1.0	4.7	3.7	1.3								11.3	6.6
S	2.0	4.9	3.4	1.9	.6							13.6	7.0
SSW	.6	.4	.4	1.0	.2							2.5	9.4
SW	.1	.5	.4	1.3	.5	.1						2.9	12.1
WSW	.1	.4	.6	.8	.4	.1						2.4	12.0
W	.1	.2	.6	.4	.2	.1						1.7	11.4
WNW	.1			.2								.4	10.0
NW	.5	.4	.1	.1								1.1	4.7
NNW	.5	1.7	1.6	.8	.2							4.6	7.9
VARBL													
CALM												12.4	
	13.0	27.7	21.0	13.3	5.3	2.3						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 833

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

66-74
YEARS

JCT
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.0	1.6	3.3	2.3	1.3						10.1	13.7
NNE	.3	1.0	1.1	1.6	.6	.4						5.0	11.5
NE	.1	.3	1.0	.4								1.8	8.5
ENE	.6	.9	.6	.1								2.3	5.8
E	1.4	1.5	1.8	.1								4.8	5.5
ESE	.9	2.1	2.8	.5								6.3	6.7
SE	.8	3.6	6.8	1.3								12.4	7.5
SSE	1.1	3.9	6.3	3.5	.5		.1					15.4	8.8
S	1.5	4.5	6.3	4.5	.6							17.4	8.7
SSW	.5	1.4	1.3	2.1	.6	.1						6.0	10.3
SW	.1	.5	.6	1.9	1.3	.1						4.5	13.8
WSW	.1	.5	.4	1.5	.9	.1						3.5	13.4
W		.1	.3	1.3	.4	.4						2.4	15.4
WNW	.1	.3	.5	.3								1.1	7.6
NW			.1									.1	10.0
NNW	.5	.4	1.0	1.0	.4							3.3	9.9
VARBL													
CALM												3.8	
	8.8	21.9	32.3	23.3	7.5	2.4	.1					100.0	9.4

TOTAL NUMBER OF OBSERVATIONS

799

DATA PROCESSING BRANCH
ETAC/USAF
AIP WEATHER SERVICE/HAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

94015 FORT CARSON CO/BUTTS AAF 66-74 JCT
STATION STATION NAME YEARS NORTH
ALL WEATHER
CLASS
CONDITION
1500-1700
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.8	1.5	4.2	2.2	.7	.1					10.8	13.1
NNE		.5	1.1	1.2	.1	.5						3.6	11.8
NE	.1	.8	.8	.1								1.9	7.0
NNE	1.1	.7	.7	.3								2.7	5.5
E	.4	1.5	.7	.4								3.0	6.2
ESE	.5	2.2	1.5	.3								4.5	6.5
SE	1.4	4.7	5.6	1.0	.1							12.7	7.0
SSE	1.1	6.6	6.3	3.0	.1							17.1	7.4
S	1.1	6.3	7.7	3.7	.1	.1						19.0	8.1
SSW	.3	.7	1.4	1.5	.3	.1						4.2	10.3
SW	.1	.1	.8	2.6	.4							4.1	12.2
WSW	.1	.3	1.1	1.8	.5							3.8	12.0
W	.3	.5	.8	.7	.3	.1						2.7	11.0
WNW		.1	.4	.1		.1						.0	11.2
NW		.3	.1			.1						.5	10.0
NNW	.1	.7	1.1	1.9	.5	.1						4.5	12.0
VARBL													
CALM												3.7	
	7.0	27.8	31.6	22.9	4.8	2.1	.1					100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 730

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/HAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

67-74
YEARS

OCT
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	2.2	3.0	5.0	1.0	.6	.3	.5				14.2	11.6
NNE	.8	.6	.8	.3								2.6	5.9
NE	.2	.6	.2	.2								1.1	5.4
ENE	.3	.2	.2									.6	4.0
E	.5	.5		.2								1.1	4.4
ESE	1.0	.5										1.4	3.3
SE	.3	1.8	.3									2.4	4.8
SSE	1.6	3.0	.5									5.1	4.1
S	2.9	6.2	2.6	.2								11.8	5.1
SSW	1.4	2.9	.2	.3								4.8	4.4
SW	2.7	4.2	1.3	.2								8.3	4.7
WSW	2.6	3.0	1.6	.6								9.8	5.3
W	2.2	7.7	1.0	.3	.2							11.4	5.1
WNW	.6	1.1	.8									2.6	5.1
NW	1.3	2.6	.5	.3								4.6	5.2
NNW	1.9	2.4	1.1	.6	1.1	.5						7.7	8.6
VARBL													
CALM												10.4	
	21.9	41.4	13.9	8.2	2.2	1.1	.3	.5				100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

625

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

67-74
YEARS

UCT
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.8	3.9	4.5	3.4	.6		1.1					16.3	9.3
NNE	.6		.0									1.1	5.0
NE	1.1											1.1	2.5
ENE	.6											.6	2.0
E	1.1											1.1	2.5
ESE	.6											.6	2.0
SE		2.2	.0									2.8	5.0
SSE	1.1	2.3	.0									4.5	4.8
S	3.3	2.2	1.7									7.3	4.0
SSW	2.8	1.1	1.1									5.1	4.0
SW	2.3	.6	1.7	1.7								6.2	7.5
WSW	.6	3.9	.8	.6								5.6	5.7
W	3.4	1.1	2.2									6.7	4.6
WNW	1.1	3.3	.6									5.1	4.7
NW	2.2	3.2	.6									9.0	4.2
NNW	3.9	0.2	.6	1.7	1.1	1.1						14.6	7.7
VARR													
CALM												12.4	
	27.5	33.7	15.2	7.3	1.7	1.1	1.1					100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 178

DATA PROCESSING & INCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

71-72,74
YEARS

NDV
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W			5.0									5.0	7.0
WNW		5.0										5.0	5.0
NW		35.0	20.0									55.0	6.2
NNW	5.0	15.0		5.0								25.0	6.2
VARBL													
CALM												10.0	
	5.0	55.0	25.0	5.0								100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 20

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/HAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 94015 STATION NAME FORT CARSON CO/BUTTS AAF YEARS 66-74 MONTH NOV
CLASS ALL WEATHER HOURS (L.S.T.) 0600-0800
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	6.4	13.3	5.8	2.2	.7	1.0						29.7	6.7
NNE	1.0	1.5	.9	.1	.1	.1						4.5	6.0
NE	.4	.6		.4								1.5	6.5
ENE	.4			.1								.6	5.5
E	.6	.3	.4									1.3	4.3
ESE	.1	.1										.3	4.0
SE	.4	.1	.6									1.2	5.0
SSE	.4	.9	.9	.1								2.4	6.3
S	.9	1.6	1.3	.4	.3							4.6	7.0
SSW	.4	1.3		.1								1.9	4.8
SW	.6	.3	.3	.6	.3							2.1	9.1
WSW	.4	.9	.3	.7		.1						2.5	8.5
W	1.9	1.9	.3	.1	.1	.1						4.6	5.5
WNW	1.5	2.2		.1								3.9	4.1
NW	3.0	4.8	.9	.3								9.0	4.6
NNW	3.9	8.2	3.9	.4								16.5	5.4
VARBL													
CALM												13.2	
	23.4	38.4	15.7	6.1	1.6	1.5						100.6	5.2

TOTAL NUMBER OF OBSERVATIONS 667

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

94015
STATION

FURT CARSON CO/BUTTS AAF
STATION NAME

66-74
YEARS

NOV
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.C.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.3	6.5	3.5	3.1	2.0	1.2	.4					21.0	9.1
NNE	2.7	1.7	1.4	1.0	.6	.3						7.7	7.5
NE	1.0	1.0	.6	.1								2.8	5.1
ENE	1.8	1.0	.4		.1							3.3	4.3
E	2.3	2.0	.8									5.1	4.3
ESE	.6	1.9		.1								2.7	4.4
SE	1.8	2.4	.8	.1								5.1	4.8
SSE	1.4	2.8	2.3	1.0	.1							7.7	7.0
S	2.9	3.8	3.5	.6	.1							11.0	5.7
SSW	.6	.6	.8	.1	.1							2.3	6.5
SW	.4	.1	.4	.3	.3							1.4	9.2
WSW	.5	.4	.6	.8	.4	.3						2.9	10.9
W	.3	.1	.5	.9	.3	.3						2.3	12.7
WNW	.5	.1										.6	3.2
NW	.4	.9		.3								1.5	5.3
NNW	2.3	2.0	1.0	.4	.1							5.9	5.2
VARBL													
CALM												16.6	
	23.9	27.6	16.5	8.8	4.2	1.9	.4					100.0	5.8

TOTAL NUMBER OF OBSERVATIONS

782

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

66-74
YEARS

NOV
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.0	.7	3.8	2.0	1.3						9.4	13.8
NNE	.7	.9	1.3	1.3	.3	.4						4.8	10.0
NE	.9	1.2	.7	.1								2.9	5.0
ENE	.9	1.6	.5									3.0	4.7
E	1.6	2.8	1.7									6.0	5.2
ESE	1.6	3.0	1.4	.4								6.4	5.5
SE	2.9	4.1	4.1	.3	.1							11.4	5.9
SSE	1.6	4.2	6.9	2.1								14.8	7.4
S	2.4	5.4	4.6	2.5								14.8	6.9
SSW	.7	.4	.8	.8	.1							2.8	8.3
SW	.4	.4	1.3	.5	.8							3.4	10.3
WSW	.3	.1	.9	1.4	.9	.1						3.8	12.7
W		.4	.5	1.4	.4	.4						3.1	13.9
WNW		.4	.4	.5	.1							1.4	10.5
NW	.1	.1	.1	.3								.7	9.2
NNW	.3	.4	.5	.8	.3	.3						2.5	11.6
VARBL													
CALM												8.7	
	14.8	26.3	26.5	16.3	5.0	2.5						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS

763

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

94015 STATION FORT CARSON CO/BUTTS AAF STATION NAME 66-74 YEARS MONTH NOV
ALL WEATHER CLASS 1500-1700 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.0	1.9	4.0	1.5	.4	.3					10.3	11.8
NNE	.4	.3	1.6	.7	.3		.1					3.7	10.0
NE	.9	.3	.7	.4								2.4	6.8
ENE	.7	1.0	.3									2.1	4.3
E	.9	2.8	.4	.1								4.3	5.1
ESE	1.5	1.9	1.6	.3								5.3	5.6
SE	2.6	3.5	.6	.7								7.5	5.2
SSE	2.4	4.6	4.9	.9								12.6	6.3
S	3.2	6.3	6.6	1.6								17.8	6.4
SSW	1.5	.6	1.5	1.0								4.6	6.9
SW	.6	1.2	1.0	1.2	.3							4.3	8.9
WSW	.4	1.0	1.3	1.2								4.0	8.4
W	.7	.9	.9	1.9	.7	.1						5.3	11.2
WNW	.6	.6	.6	1.0								2.8	8.4
NW	.9	.7	.4									2.1	4.1
NNW	.6	.3	.6	1.3								2.8	9.7
VARBL													
CALM												8.4	
	19.1	27.1	25.1	16.5	2.8	.6	.4					100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 660

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

94015
STATION

FORT CARSON CO/BUTTS AFB
STATION NAME

67-74
YEARS

NDV
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	6.8	3.7	3.1	1.1	.4	.2	.2				17.6	8.7
NNE	1.3	.4	.9	.4								2.9	6.9
NE	.2		.2	.2	.2							.7	10.8
ENE	.2	.6	.4									1.1	5.7
E	.4	.6	.6	.2								1.7	6.1
ESE	.6	.6	.8									1.7	5.4
SE	1.1	.2										1.3	2.6
SSE	1.5	.9	.6									2.9	4.4
S	1.7	4.8	.7	.4								7.5	5.0
SSW	1.7	2.2	1.8									5.7	5.4
SW	3.7	1.7	1.5	.4								7.2	4.6
WSW	2.6	2.9	1.1	.4								7.0	4.8
W	1.7	5.9	2.8	.6		.6						11.4	6.5
WNW	2.0	2.4	.6				.2					5.1	5.0
NW	1.1	2.6	.7	.4								4.8	5.8
NNW	2.0	5.0	1.3	.7								9.0	5.2
VARBL													
CALM												12.3	
	23.7	37.3	17.3	6.6	1.3	.9	.4	.2				100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 544

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

67-74
YEARS

NDV
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	8.1	4.7	1.2	1.9	.3	.3	.3				19.6	8.5
NNE	1.2	.9	.3									2.5	4.4
NE	.6	.6										1.2	3.3
ENE													
E		.3	.3									.6	5.5
ESE	1.2											1.2	2.3
SE	1.2											1.2	2.8
SSE	1.6	2.5	.6	1.6								6.2	6.6
S	.9	2.8	2.5	.3								6.5	6.0
SSW	.9	.6	.6									2.2	5.3
SW	1.6	.9	1.9									4.3	5.7
WSW	.3	3.1	.9	.6			.3					5.3	7.0
W	1.2	2.8	1.2									5.3	4.8
WNW	1.9	2.5	.3		.6	.3		.3				5.9	8.1
NW	.6	5.9	1.9	.3								8.7	5.8
NNW	2.8	11.2	2.5	.9								17.4	5.2
VARBL													
CALM												11.8	
	18.9	42.2	17.7	5.0	2.5	.6	.6	.6				100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 322

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

94015 FORT CARSON CO/BUTTS AAF 66-74 DEC
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
0600-0800
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.5	11.3	5.3	2.4	1.4	.1						24.0	7.1
NNE	.8	2.0	.7	.4	.3							4.2	6.8
NE	.1	.6										.7	4.0
ENE	.4	.3										.7	3.8
E	.0	.6										1.1	4.1
ESE	.3	.1										.4	3.0
SE	.3	.7	.4									1.4	5.3
SSE	1.0	1.3	.4		.1							2.8	5.3
S	.7	2.0	.7	.3								3.5	6.9
SSW	1.0	.8	.3	.3								2.4	4.9
SW	1.4	.6	.3	.6		.1						2.9	6.3
WSW	1.1	1.5	1.0	.3	.6			.1				4.6	8.0
W	1.4	2.8	.7	.3	.3	.3	.1					5.9	7.2
WNW	1.7	1.3	.1									3.1	3.6
NW	1.7	6.0	1.5	.1	.1		.1					9.6	5.6
NNW	2.2	10.9	3.2	1.1	.7	.1		.3	.1			18.7	7.1
VARBL													
CALM												13.8	
	18.2	42.6	14.7	5.7	3.5	.7	.3	.4	.1			100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 716

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

94015
STATION

FORT CARSON CU/BUTTS AAF
STATION NAME

66-74
YEARS

DEC
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.9	8.1	3.2	4.0	1.9	.4						22.4	7.9
NNE	1.4	1.6	2.4	.8	.5							6.7	7.5
NE	.9	.8	.1	.4	.1							2.3	6.1
ENE	.6	.9	.1									1.6	4.0
E	1.0	1.1	.3	.1								3.0	4.9
ESE	.9	.6	.5									2.0	4.4
SE	.9	1.4	.5									2.8	4.5
SSE	1.0	2.0	1.5	.1								4.7	5.5
S	2.1	4.0	2.8	1.3								10.2	6.3
SSW	.4	.5	.3	.6								2.3	7.8
SW	.4	1.0	.6	1.1								3.2	8.5
WSW	.3	1.3	.6	.8	.1	.4						3.4	9.8
W	.6	.4	.3	.8	.3		.3	.1				2.6	12.6
WNW	.3	.6	.3		.1							1.3	6.2
NW	1.3	.9	.3	.5		.1						3.0	6.2
NNW	1.9	4.3	2.6	1.4	.8	.6		.3	.1			12.0	9.5
VARBL													
CALM												15.5	
	18.8	29.5	17.3	11.9	3.8	1.5	.3	.4	.1			100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

793

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

66-74
YEARS

DEC
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.6	1.1	4.3	1.7	.9		.1				10.6	13.1
NNE	.8	1.5	.9	1.0	.4	.1						5.4	9.4
NE	.9	1.2	.8	.3								3.2	5.4
ENE	.8	.7	.3	.1								1.9	4.9
E	1.6	2.1	.8	.1								4.7	4.6
ESE	1.3	1.9	.7	.1								4.0	4.8
SE	1.7	2.9	1.5	.9	.1							7.2	6.2
SSE	2.9	5.5	4.3	1.6								14.3	6.3
S	2.7	5.2	4.7	2.0	.1							14.7	6.8
SSW	1.1	1.1	.5	1.6	.1	.1						4.6	8.6
SW	.1	.7	.5	1.9	.8	.1						4.2	12.1
WSW		.4	.5	1.3	.3	.3	.1					2.9	13.5
W	.4	.1	.9	.4	.3	.3						2.4	11.4
WNW		.3		.4	.1	.1						.9	14.0
NW	.3	.3	.1		.4							1.1	9.9
NNW	.7	.9	.9	1.1	.4	.8	.1	.1	.1			5.2	13.7
VARBL													
CALM												12.6	
	16.2	26.4	18.6	17.8	4.8	2.8	.3	.3	.1			100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

746

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 94015 STATION NAME FORT CARSON CO/BUTTS AAF YEARS 66-74 MONTH DEC
CLASS ALL WEATHER HOURS (L.S.T.) 1500-1700
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.3	2.0	1.8	1.4	1.1						9.6	11.1
NNE	.6	.8	.8	1.1	.2	.2						3.5	9.2
NE	.2	.8	.2	.3	.2							1.5	8.1
ENE	.6	1.2	.3	.2								2.3	7.2
E	1.4	1.4	.5	.2								3.3	6.4
ESE	1.5	1.7	1.2	.3								4.7	5.2
SE	1.7	2.7	.9	.3	.2							5.7	5.2
SSE	2.3	3.8	3.2	.6								9.8	5.7
S	2.7	5.6	3.6	3.0								14.9	6.8
SSW	.5	1.8	.3	1.1	.2							3.8	7.9
SW	.3	.5	.6	1.4	.2	.2						3.0	10.8
WSW	.2	.6	1.5	2.1	.8							5.1	11.6
W	.9	1.4	.9	1.1	.5		.3					5.0	9.7
WNW	.8	.9	.2	.8								2.6	6.2
NW	.5	.9	.5	.8		.2						2.6	7.6
NNW	1.8	1.5	.9	1.4	.8	.6						6.9	10.0
VARBL													
CALM												15.9	
	16.8	27.5	17.3	15.9	4.1	2.1	.3					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 565

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

67-74
YEARS

DEC
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.E.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.9	4.7	1.8	1.1	1.5	2.7	1.1	.2				16.0	12.0
NNE	1.1	1.1	.5		.2							2.9	5.3
NE	.2	.9										1.1	4.2
ENE		.7										.7	5.0
E	.4	.4	.5									1.3	5.7
ESE		.2										.2	5.0
SE	.7	.2	.4									1.3	4.1
SSE	.4	1.6	.5	.2								2.7	5.6
S	2.2	2.0	.9									4.7	4.2
SSW	1.3	1.8	.9	.5	.2							4.7	6.4
SW	2.4	2.6	1.5	.7								7.1	5.4
WSW	1.3	.7	.7	.5								3.3	6.3
W	1.8	3.6	.7	.5								6.7	5.2
WNW	2.2	2.7	.5	.2								5.6	4.3
NW	2.9	3.5	1.3	.7								8.4	5.0
NNW	3.6	6.2	2.6	1.6	.2	1.1						15.3	7.3
VARBL													
CALM												17.9	
	23.3	33.0	12.6	6.2	2.0	3.8	1.1	.2				100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

549

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

67-74
YEARS

DEC
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.4	9.6	2.9	.6	.6	1.3	.3	.6				21.5	7.9
NNE	1.6	2.3	.3	1.0	.6	1.6						8.4	12.0
NE	.3		.3									.6	4.5
ENE	.6	.6										1.3	3.5
E	.6											.6	2.5
ESE		1.6										1.6	5.0
SE	.6	1.0	.6									2.2	5.4
SSE	1.0	1.0	.3									2.2	4.4
S	2.2	2.9	1.0									5.1	4.0
SSW	.6	1.3	.3	.3								2.2	5.3
SW		.3	.3	1.6								2.2	11.7
WSW	1.0	.3	1.0	1.0		.3						3.5	8.8
W	1.9	.6	.6	.3								3.5	4.6
WNW	1.3	1.3	.3									2.9	4.0
NW	2.9	8.7	2.6	.6								14.7	3.2
NNW	3.8	8.3	2.9	.6	.3	.3						16.3	5.9
VARBL													
CALM												11.9	
	24.0	38.5	13.5	6.1	1.6	3.5	.3	.6				100.0	5.8

TOTAL NUMBER OF OBSERVATIONS

312

DATA PROCESSING BRANCH
ETAC/USAF
AID WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

66-75
YEARS

ALL
MONTH

INSTRUMENT

CLASS

CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE

CONDITION

AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

ALL
HOURS (L.S.T.)

SPEED (KN. DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	1.8	2.9	4.2	2.2	1.5	.5	.1				14.3	13.2
NNE	.6	.8	.6	1.5	.2	.3	.3					4.2	10.6
NE	.7	1.1	.2	.6								2.8	6.6
ENE	.8	.9	.5	.2								2.3	5.2
E	1.0	1.7	1.1	.2								4.0	5.3
ESE	1.4	2.4	1.5	.3								5.5	5.6
SE	2.7	3.1	3.8	1.3								10.9	8.4
SSE	2.4	5.9	5.6	2.1	.0							16.1	6.9
S	3.1	5.4	5.4	1.7	.0							15.6	6.5
SSW	.5	.5	.3									1.3	4.9
SW	.2	.2	.0									.5	3.5
WSW	.2	.4	.0					.6				.7	3.1
W	.2	.3	.2	.0								.6	5.6
WNW	.2	.2	.0									.4	3.5
NW	.4	.3	.4	.2	.1							1.2	7.5
NNW	.6	.6	1.2	1.1	1.0	.7	.2		.0			5.5	13.4
VARBL													
CALM												13.9	
	16.1	25.5	24.1	13.3	3.5	2.6	.7	.2	.0			100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

2545

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	$\geq 2\frac{1}{2}$	≥ 2	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	≥ 1	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{1}{8}$	$\geq \frac{1}{16}$	≥ 0
NO CEILING																
≥ 1800																
≥ 1500					91.0											92.6
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500										97.4						98.1
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0					95.4		96.9			98.3						100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%. Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility > 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015
STATION

FURT CARSON CO/BUTTS AAF
STATION NAME

66-75
YEARS

ALL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	59.3	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.6
≥ 20000	64.7	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.1	65.1
≥ 18000	65.0	65.2	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 16000	65.4	65.6	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 14000	67.4	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.8
≥ 12000	72.6	72.8	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 10000	75.1	75.3	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.6
≥ 9000	75.6	75.8	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.1
≥ 8000	76.4	76.7	76.8	76.8	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 7000	80.4	80.7	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 6000	83.8	84.1	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.4
≥ 5000	85.7	86.1	86.3	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 4500	86.4	86.8	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 4000	87.6	88.1	88.3	88.3	88.4	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 3500	88.6	89.2	89.4	89.5	89.6	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.8
≥ 3000	89.5	90.2	90.4	90.6	90.6	90.7	90.7	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 2500	90.2	90.9	91.2	91.3	91.4	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.7	91.7
≥ 2000	90.9	91.7	92.1	92.2	92.4	92.4	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.7	92.7	92.7
≥ 1800	91.0	91.9	92.2	92.4	92.6	92.6	92.7	92.8	92.8	92.8	92.8	92.8	92.9	92.9	92.9	92.9
≥ 1500	91.4	92.4	92.8	93.1	93.3	93.3	93.5	93.5	93.6	93.6	93.7	93.7	93.7	93.7	93.7	93.7
≥ 1200	91.8	92.9	93.4	93.7	94.0	94.0	94.2	94.3	94.3	94.4	94.4	94.4	94.4	94.5	94.5	94.5
≥ 1000	92.2	93.4	94.0	94.3	94.7	94.8	95.0	95.1	95.2	95.3	95.4	95.4	95.4	95.5	95.5	95.5
≥ 900	92.3	93.6	94.2	94.6	95.0	95.1	95.3	95.5	95.5	95.7	95.8	95.8	95.8	95.9	95.9	95.9
≥ 800	92.4	93.8	94.5	94.9	95.4	95.5	95.8	95.9	96.0	96.2	96.3	96.3	96.4	96.5	96.5	96.5
≥ 700	92.6	94.0	94.7	95.2	95.7	95.9	96.2	96.4	96.4	96.7	96.8	96.9	97.0	97.0	97.0	97.1
≥ 600	92.7	94.2	95.0	95.4	96.1	96.2	96.5	96.8	96.8	97.1	97.3	97.3	97.5	97.6	97.6	97.6
≥ 500	92.8	94.3	95.1	95.7	96.3	96.5	96.9	97.1	97.2	97.6	97.8	97.8	98.1	98.2	98.3	98.3
≥ 400	92.8	94.4	95.3	95.8	96.5	96.7	97.1	97.4	97.5	97.9	98.2	98.2	98.5	98.7	98.8	98.9
≥ 300	92.8	94.5	95.3	95.8	96.6	96.7	97.2	97.5	97.6	98.0	98.3	98.4	98.7	99.0	99.1	99.3
≥ 200	92.9	94.5	95.3	95.9	96.6	96.8	97.2	97.5	97.6	98.1	98.4	98.5	98.9	99.1	99.3	99.6
≥ 100	92.9	94.5	95.3	95.9	96.6	96.8	97.2	97.5	97.6	98.1	98.4	98.5	98.9	99.2	99.4	99.9
≥ 0	92.9	94.5	95.3	95.9	96.6	96.8	97.2	97.5	97.6	98.1	98.4	98.5	98.9	99.2	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 45618

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015
STATION

FURT CARSON CU/BUTTS AAF
STATION NAME

67-75
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	67.0	67.3	67.5	67.6	67.6	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.9
≥ 20000	74.1	74.4	74.6	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.9	75.0
IV 18000	74.7	75.0	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.5	75.6
IV 16000	75.3	75.6	75.8	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.1	76.2
IV 14000	77.7	78.1	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.6
IV 12000	81.4	81.9	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.4
IV 10000	83.7	84.2	84.4	84.5	84.5	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.7	84.8
IV 9000	83.9	84.4	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.9	85.0
IV 8000	84.5	85.1	85.3	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.7	85.8
IV 7000	85.7	86.4	86.7	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	87.0	87.1
IV 6000	86.7	87.4	87.7	87.8	87.8	87.8	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	88.0	88.1
IV 5000	87.4	88.1	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.8
IV 4500	87.5	88.3	88.6	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.9	89.0
IV 4000	88.7	89.5	89.9	90.0	90.1	90.1	90.1	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.3
IV 3500	89.2	90.0	90.4	90.6	90.6	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.8	90.9
IV 3000	89.5	90.4	90.7	90.9	91.0	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.2	91.3
IV 2500	90.2	91.1	91.6	91.8	91.9	91.9	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.2	92.3
IV 2000	90.5	91.5	92.0	92.4	92.5	92.5	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.0	93.1
IV 1800	90.6	91.6	92.1	92.5	92.6	92.7	92.9	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.2	93.3
IV 1500	90.7	92.0	92.6	93.0	93.2	93.3	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.8	93.8	94.0
IV 1200	90.8	92.1	92.8	93.4	93.7	93.8	94.1	94.3	94.3	94.5	94.5	94.5	94.6	94.6	94.6	94.7
IV 1000	91.0	92.6	93.3	94.0	94.6	94.7	95.0	95.4	95.4	95.6	95.6	95.6	95.7	95.7	95.7	95.9
IV 900	91.0	92.6	93.4	94.1	94.8	94.8	95.2	95.5	95.5	95.9	95.9	95.9	95.9	96.0	96.0	96.1
IV 800	91.1	92.9	93.7	94.4	95.2	95.2	95.6	96.0	96.0	96.4	96.4	96.5	96.5	96.5	96.6	96.7
IV 700	91.2	93.1	94.0	94.7	95.4	95.5	95.9	96.4	96.4	96.8	96.8	96.8	96.9	96.9	97.0	97.1
IV 600	91.2	93.1	94.0	94.8	95.6	95.7	96.2	96.7	96.7	97.1	97.2	97.2	97.3	97.3	97.4	97.5
IV 500	91.2	93.1	94.0	94.8	95.7	95.7	96.3	96.8	96.8	97.3	97.3	97.4	97.6	97.7	97.7	97.8
IV 400	91.3	93.2	94.1	94.9	95.8	95.9	96.4	97.0	97.1	97.7	97.7	97.9	98.2	98.3	98.5	98.6
IV 300	91.3	93.2	94.1	94.9	95.8	95.9	96.4	97.1	97.2	97.8	97.8	98.0	98.4	98.5	98.7	98.9
IV 200	91.3	93.2	94.1	94.9	95.9	95.9	96.5	97.2	97.3	97.9	97.9	98.1	98.2	98.6	98.9	99.4
IV 100	91.3	93.2	94.1	94.9	95.9	95.9	96.5	97.2	97.3	97.9	97.9	98.2	98.2	98.6	98.7	99.9
IV 0	91.3	93.2	94.1	94.9	95.9	95.9	96.5	97.2	97.3	97.9	97.9	98.2	98.2	98.6	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 3423

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/4AC

CEILING VERSUS VISIBILITY

94015
STATION

FORT CARSON CU/BUTTS AAF
STATION NAME

67-71, 73-75
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	64.1	64.3	64.4	64.4	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
IV 20000	69.9	70.2	70.3	70.3	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
IV 18000	70.3	70.5	70.6	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
IV 16000	70.9	71.2	71.3	71.3	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 14000	73.2	73.5	73.6	73.6	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 12000	77.6	78.0	78.2	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 10000	78.7	79.1	79.3	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
IV 9000	79.1	79.6	79.6	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 8000	80.0	80.6	80.9	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 7000	80.9	81.5	81.8	81.9	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
IV 6000	82.1	82.9	83.2	83.3	83.4	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
IV 5000	83.3	84.2	84.4	84.5	84.6	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 4500	83.8	84.7	85.0	85.0	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 4000	84.7	85.6	86.0	86.1	86.2	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 3500	85.6	86.7	87.2	87.3	87.4	87.5	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 3000	86.4	87.7	88.2	88.3	88.4	88.5	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 2500	87.0	88.2	88.8	88.9	89.0	89.1	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
IV 2000	87.5	88.7	89.4	89.5	89.7	89.9	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 1800	87.6	88.9	89.7	89.9	90.1	90.2	90.5	90.6	90.6	90.6	90.6	90.7	90.7	90.7	90.7	90.7
IV 1500	88.1	89.5	90.6	90.9	91.3	91.4	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 1200	88.3	90.0	91.1	91.4	91.8	92.1	92.3	92.6	92.6	92.6	92.6	92.7	92.7	92.7	92.7	92.7
IV 1000	88.6	90.4	91.7	92.1	92.9	93.2	93.5	93.8	93.8	93.9	94.0	94.0	94.0	94.2	94.2	94.2
IV 900	88.6	90.5	91.9	92.3	93.2	93.5	93.9	94.2	94.2	94.3	94.5	94.5	94.7	94.7	94.7	94.8
IV 800	88.7	90.7	92.1	92.6	93.7	94.0	94.5	94.9	94.9	95.1	95.3	95.3	95.7	95.7	95.7	95.8
IV 700	88.8	90.9	92.3	92.9	94.1	94.4	95.0	95.4	95.6	95.9	96.2	96.2	96.7	96.7	96.7	96.7
IV 600	89.1	91.2	92.6	93.2	94.4	94.7	95.4	95.8	96.0	96.5	96.9	96.9	97.3	97.3	97.3	97.4
IV 500	89.1	91.3	92.7	93.3	94.5	94.8	95.7	96.2	96.4	97.0	97.5	97.5	98.1	98.2	98.2	98.3
IV 400	89.1	91.3	92.7	93.4	94.7	95.0	95.9	96.3	96.6	97.2	97.8	97.8	98.4	98.7	98.8	98.9
IV 300	89.1	91.3	92.7	93.4	94.7	95.0	95.9	96.3	96.6	97.2	97.8	97.8	98.5	98.9	99.0	99.3
IV 200	89.1	91.3	92.7	93.4	94.7	95.0	95.9	96.3	96.6	97.2	97.8	97.8	98.5	98.9	99.1	99.5
IV 100	89.1	91.3	92.7	93.4	94.7	95.0	95.9	96.3	96.6	97.2	97.8	97.8	98.5	98.9	99.2	99.8
IV 0	89.1	91.3	92.7	93.4	94.7	95.0	95.9	96.3	96.6	97.2	97.8	97.8	98.5	98.9	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 3224

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

67-71, 73-75
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	53.4	53.9	54.1	54.1	54.1	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.3	54.3
≥ 20000	57.2	57.8	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.2	58.2	58.2
IV 18000	57.5	58.1	58.2	58.3	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.5	58.5
IV 16000	57.8	58.4	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 14000	60.0	60.6	60.7	60.8	60.8	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	61.0	61.0
IV 12000	63.7	64.4	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.7	64.7	64.7	64.7	64.7	64.8	64.8
IV 10000	66.4	67.1	67.3	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.6	67.6	67.6	67.6	67.7	67.7
IV 9000	67.0	67.8	68.0	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.3	68.3	68.3	68.4	68.4	68.4
IV 8000	67.7	68.5	68.8	68.8	68.9	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.1	69.1	69.1
IV 7000	69.1	69.9	70.2	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.5	70.5	70.5	70.5	70.5	70.5
IV 6000	71.8	72.6	72.9	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.2	73.2	73.2	73.2
IV 5000	73.7	74.6	74.8	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.2	75.2	75.2	75.2
IV 4500	74.8	75.7	76.0	76.1	76.2	76.2	76.2	76.2	76.2	76.3	76.3	76.3	76.3	76.4	76.4	76.4
IV 4000	76.4	77.4	77.8	77.9	78.0	78.0	78.0	78.0	78.0	78.1	78.1	78.1	78.1	78.2	78.2	78.2
IV 3500	77.3	78.4	78.8	79.0	79.1	79.1	79.1	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.3	79.3
IV 3000	78.4	79.6	80.0	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.5	80.5	80.5	80.5
IV 2500	79.2	80.6	81.1	81.3	81.5	81.6	81.6	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7
IV 2000	80.1	81.7	82.4	82.6	83.0	83.1	83.2	83.2	83.2	83.2	83.4	83.4	83.4	83.4	83.4	83.4
IV 1800	80.2	81.8	82.5	82.9	83.3	83.4	83.5	83.5	83.6	83.7	83.7	83.7	83.8	83.8	83.8	83.8
IV 1500	81.0	82.8	83.7	84.1	84.5	84.6	84.8	84.9	85.0	85.1	85.2	85.2	85.2	85.2	85.3	85.3
IV 1200	81.9	83.9	85.1	85.7	86.3	86.4	86.7	86.9	87.0	87.2	87.4	87.4	87.5	87.6	87.6	87.6
IV 1000	82.8	85.1	86.4	87.2	87.8	88.0	88.6	88.8	89.1	89.5	89.8	89.8	90.0	90.0	90.1	90.1
IV 900	83.1	85.5	86.8	87.6	88.6	88.7	89.5	89.8	90.1	90.6	90.9	91.0	91.2	91.3	91.4	91.4
IV 800	83.7	86.1	87.4	88.3	89.3	89.5	90.3	90.6	91.0	91.7	92.1	92.2	92.5	92.8	92.8	92.9
IV 700	83.8	86.3	87.7	88.7	90.0	90.2	91.1	91.7	92.1	92.8	93.2	93.5	93.9	94.1	94.2	94.3
IV 600	84.0	86.5	88.0	89.2	90.5	90.7	91.7	92.3	92.8	93.7	94.2	94.5	95.0	95.2	95.4	95.6
IV 500	84.1	86.7	88.2	89.5	90.9	91.1	92.2	92.9	93.4	94.4	95.1	95.4	96.1	96.4	96.6	96.8
IV 400	84.2	86.9	88.4	89.6	91.2	91.5	92.6	93.3	93.8	94.8	95.5	95.8	96.8	97.2	97.5	97.8
IV 300	84.2	86.9	88.4	89.7	91.3	91.6	92.7	93.4	93.9	95.0	95.7	96.0	97.1	97.6	98.1	98.6
IV 200	84.2	86.9	88.4	89.7	91.4	91.7	92.8	93.5	94.0	95.2	96.0	96.3	97.3	97.9	98.5	99.5
IV 100	84.2	86.9	88.5	89.7	91.4	91.7	92.9	93.6	94.1	95.4	96.1	96.4	97.5	98.1	98.7	100.0
IV 0	84.2	86.9	88.5	89.7	91.4	91.7	92.9	93.6	94.1	95.4	96.1	96.4	97.5	98.1	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 3713

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015
STATION

FJRT CARSON CU/BUTTS AAF
STATION NAME

67-75
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 20000	59.9	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IV 18000	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
IV 16000	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 14000	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 12000	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 10000	70.0	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
IV 9000	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 8000	71.2	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 7000	73.6	73.6	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 6000	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 5000	80.4	80.6	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 4500	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 4000	83.7	84.2	84.3	84.5	84.6	84.6	84.7	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 3500	86.0	86.6	86.8	87.0	87.1	87.2	87.3	87.4	87.4	87.4	87.4	87.4	87.5	87.5	87.5	87.5
IV 3000	87.4	88.2	88.4	88.7	88.8	88.9	89.0	89.1	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2
IV 2500	88.5	89.4	89.7	89.9	90.1	90.2	90.3	90.4	90.4	90.5	90.5	90.5	90.6	90.6	90.6	90.6
IV 2000	89.2	90.3	90.6	90.9	91.2	91.3	91.5	91.6	91.6	91.7	91.8	91.8	91.8	91.8	91.8	91.8
IV 1800	89.3	90.4	90.7	91.0	91.3	91.4	91.6	91.7	91.7	91.8	91.9	91.9	91.9	91.9	91.9	91.9
IV 1500	89.9	91.0	91.3	91.6	91.9	92.0	92.3	92.4	92.4	92.6	92.6	92.6	92.7	92.8	92.8	92.8
IV 1200	90.1	91.4	91.6	92.2	92.6	92.7	93.0	93.2	93.2	93.4	93.4	93.4	93.6	93.6	93.6	93.6
IV 1000	90.5	91.9	92.4	92.8	93.2	93.4	93.8	94.1	94.1	94.3	94.4	94.4	94.5	94.5	94.5	94.5
IV 900	90.6	92.1	92.7	93.0	93.5	93.6	94.1	94.5	94.6	94.8	94.9	95.0	95.1	95.1	95.1	95.1
IV 800	90.9	92.4	93.0	93.4	94.0	94.2	94.6	95.1	95.2	95.5	95.6	95.7	95.8	95.8	95.8	95.8
IV 700	91.1	92.6	93.3	93.7	94.4	94.6	95.1	95.5	95.6	96.1	96.3	96.3	96.5	96.5	96.5	96.5
IV 600	91.1	92.7	93.4	93.9	94.6	94.8	95.3	95.8	95.9	96.5	96.7	96.8	97.0	97.1	97.1	97.1
IV 500	91.2	92.8	93.6	94.1	94.9	95.0	95.6	96.1	96.3	97.0	97.3	97.4	97.5	98.0	98.0	98.1
IV 400	91.2	92.9	93.7	94.2	95.0	95.1	95.7	96.2	96.5	97.3	97.7	97.8	98.3	98.7	98.8	98.9
IV 300	91.2	92.9	93.7	94.3	95.1	95.2	95.8	96.3	96.6	97.4	97.8	97.9	98.4	99.0	99.2	99.2
IV 200	91.2	92.9	93.7	94.3	95.1	95.3	95.9	96.4	96.7	97.7	98.1	98.2	98.7	99.3	99.5	99.6
IV 100	91.2	92.9	93.7	94.3	95.1	95.3	95.9	96.4	96.7	97.8	98.1	98.2	98.8	99.3	99.5	99.9
IV 0	91.2	92.9	93.7	94.3	95.1	95.3	95.9	96.4	96.7	97.8	98.1	98.2	98.8	99.3	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 3923

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/4AC

CEILING VERSUS VISIBILITY

94015
STATION

FURT CARSON CO/BUTTS AAF
STATION NAME

67-75
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 20000	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 18000	54.8	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 16000	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 14000	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 12000	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
IV 10000	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 9000	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
IV 8000	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 7000	73.0	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 6000	79.1	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 5000	83.6	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 4500	84.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 4000	87.1	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
IV 3500	89.4	90.0	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 3000	91.0	91.7	91.9	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
IV 2500	92.0	92.8	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 2000	93.4	94.4	94.8	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 1800	93.6	94.8	95.2	95.3	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 1500	94.2	95.4	95.9	96.1	96.3	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 1200	94.6	95.8	96.4	96.7	96.8	96.8	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 1000	94.9	96.4	97.0	97.3	97.7	97.7	97.8	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 900	95.1	96.6	97.2	97.5	98.0	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 800	95.3	96.8	97.5	97.8	98.3	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 700	95.4	97.0	97.8	98.1	98.7	98.7	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 600	95.5	97.1	98.0	98.3	98.9	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 500	95.6	97.1	98.1	98.5	99.1	99.2	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 400	95.6	97.2	98.1	98.5	99.2	99.2	99.3	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	95.6	97.2	98.2	98.6	99.3	99.3	99.4	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	95.6	97.2	98.2	98.6	99.3	99.3	99.4	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	95.6	97.2	98.2	98.6	99.3	99.3	99.4	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	95.6	97.2	98.2	98.6	99.3	99.3	99.4	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 3776

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015 FORT CARSON CO/BUTTS AAF

67-75

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 20000	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 18000	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 16000	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
IV 14000	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
IV 12000	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 10000	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 9000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 8000	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
IV 7000	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 6000	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 5000	92.2	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 4500	92.7	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 4000	93.9	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 3500	94.9	95.2	95.3	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 3000	96.1	96.5	96.6	96.6	96.6	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 2500	96.4	96.8	97.0	97.0	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 2000	96.9	97.4	97.6	97.6	97.7	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 1800	97.0	97.5	97.7	97.7	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 1500	97.1	97.6	97.8	97.8	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 1200	97.2	97.7	98.0	98.0	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 1000	97.3	97.8	98.3	98.3	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 900	97.3	97.9	98.4	98.4	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 800	97.4	98.0	98.5	98.5	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 700	97.4	98.1	98.5	98.6	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 600	97.5	98.1	98.7	98.8	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 500	97.5	98.1	98.7	98.8	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 400	97.5	98.2	98.8	98.9	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 300	97.5	98.2	98.9	99.0	99.2	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 200	97.5	98.2	98.9	99.0	99.2	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 100	97.5	98.2	98.9	99.0	99.2	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 0	97.5	98.2	98.9	99.0	99.2	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 3701

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

67-75
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 20000	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 18000	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 16000	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 14000	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 12000	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
IV 10000	71.0	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 9000	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 8000	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 7000	82.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 6000	89.6	89.8	89.9	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 5000	93.0	93.3	93.3	93.4	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 4500	93.6	93.8	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 4000	94.5	94.8	94.9	95.0	95.0	95.0	95.1	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 3500	95.1	95.5	95.6	95.7	95.8	95.8	95.8	95.8	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 3000	95.6	96.1	96.2	96.3	96.3	96.3	96.4	96.4	96.4	96.5	96.6	96.6	96.6	96.6	96.6	96.6
IV 2500	95.8	96.3	96.4	96.5	96.6	96.6	96.7	96.7	96.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9
IV 2000	96.1	96.7	96.8	96.9	97.0	97.0	97.1	97.1	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 1800	96.2	96.8	96.9	97.1	97.1	97.1	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 1500	96.4	97.0	97.2	97.4	97.5	97.5	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8
IV 1200	96.7	97.3	97.5	97.8	97.9	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 1000	96.9	97.6	97.8	98.2	98.3	98.4	98.5	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 900	96.9	97.7	97.9	98.2	98.4	98.4	98.6	98.6	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8
IV 800	96.9	97.7	97.9	98.4	98.5	98.6	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 700	97.0	97.8	98.0	98.5	98.6	98.7	98.9	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 600	97.1	98.0	98.2	98.6	98.8	98.9	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 500	97.1	98.1	98.3	98.7	98.9	99.0	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 400	97.1	98.1	98.3	98.8	98.9	99.0	99.3	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 300	97.2	98.1	98.3	98.8	99.0	99.1	99.4	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	97.2	98.1	98.3	98.8	99.0	99.1	99.4	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	97.2	98.1	98.4	98.9	99.1	99.1	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	97.2	98.1	98.4	98.9	99.1	99.1	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 4260

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

66-74
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	63.6	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.9	63.9	63.9
≥ 20000	67.7	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.1	68.1
IV 18000	67.8	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.1	68.1	68.1
IV 16000	68.4	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.7	68.7	68.7
IV 14000	70.0	70.2	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.4
IV 12000	73.8	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.2	74.2
IV 10000	75.2	75.4	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.6
IV 9000	75.5	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.8	75.8
IV 8000	76.2	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.5	76.5	76.5
IV 7000	79.2	79.4	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.6
IV 6000	82.4	82.6	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.8
IV 5000	83.8	84.1	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.3
IV 4500	84.4	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.9	84.9
IV 4000	85.5	85.8	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	86.0
IV 3500	86.8	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.4	87.4
IV 3000	88.0	88.3	88.3	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.6
IV 2500	89.2	89.6	89.7	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	90.0
IV 2000	90.6	91.1	91.2	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.5
IV 1800	90.8	91.3	91.4	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.7
IV 1500	91.7	92.2	92.4	92.5	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.9
IV 1200	92.4	93.0	93.2	93.4	93.6	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.8
IV 1000	92.9	93.5	93.8	94.0	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.5	94.5
IV 900	93.3	94.0	94.3	94.4	94.6	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.0	95.0
IV 800	93.5	94.4	94.6	94.8	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.5	95.5
IV 700	93.9	94.9	95.2	95.4	95.8	96.0	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.3	96.4
IV 600	94.0	95.2	95.4	95.7	96.2	96.3	96.5	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.7	96.8
IV 500	94.3	95.6	96.0	96.4	97.1	97.2	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.6	97.6	97.8
IV 400	94.4	95.9	96.3	96.7	97.5	97.7	98.0	98.0	98.1	98.3	98.3	98.3	98.3	98.5	98.8	98.9
IV 300	94.4	95.9	96.4	96.8	97.6	97.8	98.1	98.2	98.3	98.5	98.5	98.5	98.5	98.8	99.0	99.2
IV 200	94.4	95.9	96.4	96.8	97.6	97.8	98.2	98.3	98.4	98.6	98.6	98.6	98.6	98.8	99.2	99.7
IV 100	94.4	95.9	96.4	96.8	97.6	97.8	98.2	98.3	98.4	98.6	98.6	98.6	98.6	99.1	99.3	100.0
IV 0	94.4	95.9	96.4	96.8	97.6	97.8	98.2	98.3	98.4	98.6	98.6	98.6	98.6	99.1	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 3985

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015 FORT CARSON CO/BUTTS AAF

06-74

UCI

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 20000	69.2	69.3	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 18000	69.6	69.7	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
IV 16000	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
IV 14000	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 12000	76.5	76.5	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 10000	78.1	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4
IV 9000	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2
IV 8000	79.9	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 7000	81.3	81.4	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 6000	83.0	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3
IV 5000	84.8	84.9	85.0	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 4500	85.4	85.6	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 4000	86.2	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8
IV 3500	87.2	87.6	87.8	87.8	87.9	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 3000	88.1	88.6	88.8	88.8	88.9	88.9	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.2
IV 2500	89.1	89.6	89.9	89.9	90.0	90.0	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 2000	89.8	90.4	90.7	90.8	90.9	91.0	91.0	91.1	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.3
IV 1800	89.9	90.6	90.9	91.0	91.1	91.2	91.2	91.3	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4
IV 1500	90.4	91.0	91.5	91.6	91.8	91.8	91.9	92.0	92.0	92.1	92.1	92.1	92.2	92.2	92.2	92.2
IV 1200	90.9	91.7	92.4	92.7	92.8	92.9	93.0	93.1	93.1	93.2	93.2	93.2	93.2	93.3	93.3	93.3
IV 1000	91.1	92.2	93.1	93.4	93.6	93.7	93.8	93.9	93.9	94.1	94.1	94.1	94.2	94.2	94.2	94.2
IV 900	91.2	92.4	93.3	93.7	94.0	94.1	94.2	94.3	94.3	94.5	94.5	94.5	94.6	94.6	94.6	94.6
IV 800	91.4	92.7	93.8	94.2	94.6	94.7	94.9	95.0	95.0	95.2	95.3	95.3	95.3	95.4	95.4	95.4
IV 700	91.5	92.9	94.0	94.5	94.9	95.0	95.3	95.4	95.4	95.6	95.7	95.7	95.7	95.9	95.9	95.9
IV 600	91.6	93.1	94.2	94.8	95.2	95.4	95.6	95.8	95.9	96.1	96.2	96.2	96.2	96.3	96.3	96.3
IV 500	91.6	93.3	94.4	95.0	95.6	95.7	96.1	96.3	96.3	96.6	96.6	96.8	96.8	97.0	97.1	97.1
IV 400	91.7	93.5	94.7	95.4	95.9	96.1	96.5	96.7	96.7	97.2	97.4	97.4	97.5	97.9	97.9	98.0
IV 300	91.7	93.5	94.7	95.4	95.9	96.1	96.5	96.7	96.7	97.2	97.4	97.4	97.5	97.9	97.9	98.0
IV 200	91.7	93.6	94.8	95.4	96.0	96.2	96.6	96.9	96.9	97.5	97.7	97.7	97.7	98.1	98.6	98.7
IV 100	91.7	93.6	94.8	95.4	96.0	96.2	96.6	96.9	96.9	97.5	97.7	97.7	97.7	98.1	98.6	98.8
IV 0	91.7	93.6	94.8	95.4	96.0	96.2	96.6	96.9	96.9	97.5	97.7	97.7	97.7	98.1	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 4105

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015 FORT CARSON CO/BUTTS AAF

06-74

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM 1 HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	65.4	65.5	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.7
≥ 20000	71.7	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.1	72.1
IV 18000	72.0	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.4	72.4	72.5
IV 16000	72.4	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.8	72.8	72.9
IV 14000	75.1	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.5	75.5	75.6
IV 12000	79.7	80.1	80.1	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.4	80.4	80.5
IV 10000	81.5	81.9	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.2	82.2	82.3
IV 9000	81.7	82.1	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.4	82.4	82.5
IV 8000	82.0	82.4	82.4	82.5	82.5	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.7	82.7	82.8
IV 7000	82.7	83.2	83.2	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.5	83.5	83.6
IV 6000	83.4	83.9	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.2	84.2	84.3
IV 5000	84.0	85.4	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.8
IV 4500	85.2	85.8	85.9	86.0	86.0	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.2	86.2	86.3
IV 4000	86.5	87.1	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.5	87.5	87.5	87.5	87.6	87.6	87.6
IV 3500	87.3	87.9	88.0	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.3	88.3	88.4
IV 3000	88.2	88.5	89.0	89.2	89.2	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.4	89.4	89.4
IV 2500	88.5	89.2	89.4	89.6	89.6	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.8	89.8	89.9
IV 2000	89.1	90.1	90.4	90.6	90.7	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.9	90.9	91.0
IV 1800	89.4	90.4	90.7	90.9	91.0	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.2	91.2	91.3
IV 1500	89.9	91.0	91.2	91.5	91.7	91.7	91.7	91.8	91.8	91.8	91.8	91.9	92.0	92.0	92.1	92.2
IV 1200	90.5	91.7	92.1	92.3	92.5	92.6	92.7	92.8	92.8	92.9	92.9	93.0	93.0	93.1	93.1	93.2
IV 1000	90.9	92.5	92.5	93.2	93.5	93.6	93.8	93.9	93.9	94.0	94.0	94.1	94.2	94.2	94.2	94.3
IV 900	91.1	92.8	93.2	93.6	94.0	94.2	94.3	94.4	94.5	94.5	94.5	94.6	94.7	94.8	94.8	94.9
IV 800	91.2	93.0	93.5	94.0	94.4	94.5	94.7	94.9	94.9	95.0	95.1	95.2	95.2	95.3	95.3	95.4
IV 700	91.3	93.2	93.7	94.2	94.8	94.9	95.1	95.3	95.3	95.4	95.5	95.7	95.8	95.8	95.8	95.9
IV 600	91.5	93.4	94.0	94.6	95.3	95.4	95.7	95.8	95.9	96.0	96.2	96.4	96.5	96.6	96.6	96.8
IV 500	91.6	93.7	94.3	95.0	95.8	95.9	96.3	96.5	96.5	96.7	96.9	97.1	97.3	97.8	97.8	98.0
IV 400	91.6	93.7	94.4	95.0	95.9	96.0	96.4	96.6	96.6	96.8	97.1	97.3	97.7	98.1	98.2	98.4
IV 300	91.6	93.7	94.4	95.1	96.0	96.1	96.5	96.7	96.7	97.0	97.4	97.6	98.0	98.5	98.6	99.0
IV 200	91.6	93.7	94.4	95.1	96.0	96.1	96.6	96.7	96.8	97.0	97.4	97.7	98.1	98.6	98.8	99.5
IV 100	91.6	93.7	94.4	95.1	96.1	96.2	96.8	96.8	96.8	97.1	97.5	97.7	98.2	98.7	99.0	99.7
IV 0	91.6	93.7	94.4	95.1	96.1	96.2	96.8	96.8	96.8	97.1	97.5	97.7	98.2	98.7	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 3712

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

66-71,73-74
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	66.8	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 20000	73.1	73.3	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 18000	73.2	73.4	73.5	73.5	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 16000	73.5	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 14000	75.3	75.5	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 12000	79.1	79.3	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 10000	82.3	82.4	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 9000	82.9	83.4	83.5	83.5	83.5	83.5	84.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
IV 8000	83.1	83.5	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 7000	83.9	84.5	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 6000	85.3	85.9	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 5000	86.6	87.2	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 4500	87.1	87.7	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 4000	87.6	88.4	88.8	88.8	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 3500	88.0	88.8	89.2	89.2	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
IV 3000	88.4	89.2	89.7	89.8	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 2500	88.7	89.5	90.0	90.1	90.4	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.7
IV 2000	89.2	90.1	90.8	90.8	91.2	91.3	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.7
IV 1800	89.4	90.3	90.9	91.0	91.3	91.4	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.9
IV 1500	89.8	90.8	91.5	91.6	92.1	92.2	92.5	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.9
IV 1200	90.0	91.0	91.9	92.0	92.5	92.6	92.9	93.0	93.0	93.2	93.3	93.3	93.3	93.3	93.3	93.4
IV 1000	90.0	91.2	92.2	92.4	93.2	93.3	93.6	93.8	93.8	94.1	94.2	94.2	94.2	94.2	94.4	94.4
IV 900	90.0	91.3	92.2	92.4	93.2	93.4	93.7	93.9	93.9	94.2	94.4	94.4	94.4	94.4	94.6	94.6
IV 800	90.0	91.4	92.4	92.8	93.6	93.8	94.2	94.5	94.5	94.9	95.1	95.2	95.2	95.2	95.5	95.5
IV 700	90.1	91.5	92.5	93.0	93.9	94.1	94.5	94.8	94.8	95.3	95.6	95.7	95.7	95.9	96.0	96.1
IV 600	90.1	91.6	92.7	93.2	94.2	94.5	95.0	95.3	95.3	95.9	96.2	96.3	96.3	96.7	96.9	96.9
IV 500	90.3	91.8	93.0	93.5	94.5	94.8	95.3	95.7	95.7	96.4	96.9	96.9	96.9	97.3	97.7	97.7
IV 400	90.3	91.8	93.0	93.6	94.5	94.8	95.3	95.7	95.7	96.7	97.3	97.3	97.3	98.0	98.4	98.6
IV 300	90.4	91.9	93.1	93.6	94.6	94.9	95.4	95.8	95.8	96.8	97.5	97.5	97.5	98.4	98.8	99.0
IV 200	90.4	92.0	93.1	93.7	94.6	95.0	95.5	95.9	95.9	96.9	97.5	97.5	97.5	98.6	99.0	99.4
IV 100	90.4	92.0	93.1	93.7	94.6	95.0	95.5	95.9	95.9	96.9	97.5	97.5	97.5	98.6	99.0	99.4
IV 0	90.4	92.0	93.1	93.7	94.6	95.0	95.5	95.9	95.9	96.9	97.5	97.5	97.5	98.6	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 3244

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

73-75
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING ≥ 20000	78.6 82.1	78.6 82.1	78.6 82.1	78.6 82.1	78.6 82.1	78.6 82.1	78.6 82.1	78.6 82.1	78.6 82.1	78.6 82.1	78.6 82.1	78.6 82.1	78.6 82.1	78.6 82.1	78.6 82.1	78.6 82.1
IV 18000	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
IV 16000	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
IV 14000	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 12000	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 10000	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 9000	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 8000	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 7000	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 6000	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 5000	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 4500	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 4000	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 3500	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 3000	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 2500	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 2000	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 1800	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 1500	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 1200	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 1000	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 900	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 800	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 700	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 600	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 500	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 400	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 300	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 200	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 100	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 0	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4

TOTAL NUMBER OF OBSERVATIONS 28

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015
STATION

F. IRT CARSON CJ/BUTTS AAF
STATION NAME

67-75
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	69.3	70.1	70.3	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.8
≥ 20000	73.2	74.0	74.1	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.6
IV 18000	73.5	74.3	74.4	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.9	74.9
IV 16000	73.8	74.6	74.8	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.2	75.2
IV 14000	76.4	77.3	77.5	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	78.0	78.0
IV 12000	80.0	81.0	81.2	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.6	81.6
IV 10000	81.8	82.9	83.1	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.5	83.5
IV 9000	82.1	83.2	83.4	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.9	83.9
IV 8000	82.4	83.7	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.3	84.3
IV 7000	83.2	84.5	84.7	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.1	85.1
IV 6000	83.9	85.1	85.3	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.8	85.8
IV 5000	84.2	85.5	85.6	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	86.1	86.1
IV 4500	84.3	85.9	86.1	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.6	86.6
IV 4000	85.9	87.7	87.9	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.5	88.5
IV 3500	85.9	87.7	87.9	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.5	88.5
IV 3000	86.3	88.0	88.2	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.8	88.8
IV 2500	86.6	88.3	88.5	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.3	89.3
IV 2000	86.7	88.7	88.8	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.8	89.8
IV 1800	86.7	88.8	89.0	89.6	89.9	90.1	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.6	90.6
IV 1500	86.7	89.5	89.9	90.9	91.2	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.9	91.9
IV 1200	86.7	89.5	89.9	90.9	91.5	91.7	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.8	92.8
IV 1000	86.9	89.9	90.4	91.7	92.7	92.8	93.5	93.9	93.9	93.9	93.9	93.9	93.9	93.9	94.2	94.2
IV 900	86.9	89.9	90.4	91.7	92.7	92.8	93.5	93.9	93.9	93.9	93.9	93.9	93.9	93.9	94.2	94.2
IV 800	87.2	90.3	90.9	92.2	93.1	93.3	94.1	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.2	95.2
IV 700	87.2	90.3	90.9	92.2	93.1	93.3	94.1	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.2	95.2
IV 600	87.2	90.3	90.9	92.2	93.1	93.3	94.1	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.2	95.2
IV 500	87.2	90.3	90.9	92.2	93.1	93.3	94.1	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.2	95.2
IV 400	87.2	90.3	90.9	92.2	93.1	93.3	94.1	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.2	95.2
IV 300	87.2	90.3	90.9	92.2	93.3	93.5	94.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.7	95.7
IV 200	87.2	90.3	90.9	92.2	93.3	93.5	94.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.7	95.7
IV 100	87.2	90.3	90.9	92.2	93.3	93.5	94.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.7	95.7
IV 0	87.2	90.3	90.9	92.2	93.3	93.5	94.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.7	95.7

TOTAL NUMBER OF OBSERVATIONS 626

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015
STATION

FURT CARSON CU/BULTS AAF
STATION NAME

07-75
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	63.4 72.5	63.5 72.6	64.0 73.1	64.1 73.2	64.1 73.3	64.1 73.3	64.1 73.3	64.1 73.3	64.1 73.3	64.1 73.3	64.1 73.3	64.1 73.3	64.1 73.3	64.1 73.3	64.1 73.3	64.7 73.7
IV 18000	72.8	72.9	73.3	73.5	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	74.2
IV 16000	73.2	73.3	73.8	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.6
IV 14000	75.6	75.9	76.4	76.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	77.2
IV 12000	80.1	80.4	80.8	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.7
IV 10000	81.6	81.8	82.3	82.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	83.1
IV 9000	81.8	82.1	82.6	82.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	83.4
IV 8000	83.3	83.9	84.4	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	85.3
IV 7000	84.7	85.3	85.7	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.7
IV 6000	85.2	85.9	86.5	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	87.3
IV 5000	85.3	86.0	86.6	86.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	87.5
IV 4500	85.4	86.2	86.7	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.6
IV 4000	85.7	86.6	87.2	87.3	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	88.0
IV 3500	85.9	86.7	87.3	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	88.3
IV 3000	86.0	86.9	87.6	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.6
IV 2500	86.9	87.8	88.5	88.8	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.6
IV 2000	87.2	88.2	89.0	89.3	89.5	89.5	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	90.5
IV 1800	87.2	88.2	89.0	89.3	89.5	89.5	89.8	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.6
IV 1500	87.3	88.6	89.5	89.8	90.1	90.1	90.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	91.2
IV 1200	87.3	88.8	89.9	90.5	91.1	91.1	91.4	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	92.5
IV 1000	87.8	89.3	90.5	91.4	92.7	92.7	93.2	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	94.5
IV 900	87.8	89.3	90.5	91.4	92.7	92.7	93.2	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	94.7
IV 800	87.8	89.5	90.6	91.5	92.9	92.9	93.7	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	95.2
IV 700	87.8	89.6	90.6	91.6	93.1	93.1	93.8	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	95.5
IV 600	87.8	89.6	90.8	91.6	93.4	93.4	94.4	95.5	95.5	95.7	95.7	95.7	95.7	95.7	95.7	96.5
IV 500	87.8	89.6	90.8	91.6	93.5	93.5	94.7	95.8	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.8
IV 400	87.9	89.8	90.9	91.8	93.8	93.8	95.1	96.4	96.4	96.7	97.0	97.1	97.1	97.1	97.1	97.8
IV 300	87.9	89.8	90.9	91.8	93.8	93.8	95.1	96.4	96.4	96.7	97.1	97.4	97.4	97.4	97.4	98.1
IV 200	87.9	89.8	90.9	91.8	93.9	94.1	95.4	96.7	97.0	97.6	97.8	97.8	97.8	97.8	97.8	98.4
IV 100	87.9	89.8	90.9	91.8	93.9	94.1	95.4	96.7	97.0	97.6	97.8	97.8	97.8	97.8	97.8	98.4
IV 0	87.9	89.8	90.9	91.8	93.9	94.1	95.4	96.7	97.0	97.6	97.8	97.8	97.8	97.8	97.8	98.4

TOTAL NUMBER OF OBSERVATIONS 694

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015
STATION

FORT CARSON CU/BUTTS AAF
STATION NAME

07-75
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	61.9	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 20000	72.5	72.6	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IV 18000	72.8	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 16000	73.5	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 14000	75.8	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 12000	79.5	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 10000	81.5	81.9	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
IV 9000	81.5	81.9	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
IV 8000	82.2	82.6	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 7000	83.9	84.6	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 6000	86.4	87.1	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 5000	86.8	87.6	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 4500	87.0	87.7	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 4000	88.8	89.5	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 3500	89.8	90.7	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 3000	89.8	90.7	91.2	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 2500	91.6	92.5	93.0	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 2000	91.8	92.7	93.1	93.7	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 1800	91.8	92.7	93.1	93.7	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 1500	91.9	93.0	93.6	94.3	94.6	94.6	94.8	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 1200	92.2	93.4	94.0	94.9	95.2	95.2	95.4	95.4	95.4	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 1000	92.4	94.2	94.9	95.6	96.1	96.1	96.3	96.4	96.4	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 900	92.4	94.5	95.4	96.3	96.6	96.6	96.7	96.9	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 800	92.5	95.2	96.1	97.0	97.3	97.3	97.5	97.6	97.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 700	92.5	95.4	96.4	97.3	97.6	97.6	97.8	97.9	97.9	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 600	92.5	95.4	96.4	97.3	97.9	97.9	98.1	98.2	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 500	92.5	95.4	96.4	97.3	97.9	97.9	98.1	98.2	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 400	92.7	95.5	96.6	97.6	98.2	98.2	98.4	98.5	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 300	92.7	95.5	96.6	97.6	98.2	98.2	98.4	98.5	98.7	99.3	99.4	99.4	99.4	99.4	99.4	99.4
IV 200	92.7	95.5	96.6	97.6	98.2	98.2	98.4	98.5	98.7	99.4	99.6	99.6	99.6	99.6	99.6	99.6
IV 100	92.7	95.5	96.6	97.6	98.2	98.2	98.4	98.5	98.7	99.4	99.6	99.6	99.6	99.6	99.6	99.6
IV 0	92.7	95.5	96.6	97.6	98.2	98.2	98.4	98.5	98.7	99.4	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS

669

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

67-75
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	64.1	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 20000	73.2	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 18000	74.0	74.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 16000	75.2	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 14000	78.3	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 12000	82.7	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5
IV 10000	86.5	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 9000	86.7	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.5	87.5	87.5	87.5	87.5	87.5	87.5
IV 8000	87.0	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9
IV 7000	88.3	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 6000	89.2	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 5000	90.2	90.8	91.0	91.0	91.0	91.0	91.0	91.1	91.1	91.1	91.3	91.3	91.3	91.3	91.3	91.3
IV 4500	90.2	91.0	91.1	91.1	91.1	91.1	91.1	91.3	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4
IV 4000	91.7	92.5	92.7	92.7	92.7	92.7	92.7	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0
IV 3500	92.5	93.3	93.5	93.5	93.5	93.5	93.5	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8
IV 3000	92.9	93.7	93.8	93.8	93.8	93.8	94.0	94.0	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1
IV 2500	93.3	94.1	94.3	94.3	94.3	94.3	94.6	94.6	94.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 2000	93.3	94.3	94.6	94.9	94.9	94.9	95.4	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 1800	93.5	94.4	94.8	95.1	95.1	95.1	95.6	95.7	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 1500	93.5	94.4	94.8	95.1	95.2	95.2	95.7	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 1200	93.5	94.4	94.8	95.1	95.2	95.2	95.7	95.9	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 1000	93.5	94.6	95.2	95.6	95.7	95.7	96.3	96.5	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 900	93.5	94.6	95.2	95.6	95.7	95.7	96.3	96.5	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 800	93.5	94.8	95.4	95.7	95.9	95.9	96.5	96.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 700	93.5	95.1	95.9	96.2	96.3	96.5	97.1	97.6	97.6	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 600	93.5	95.1	95.9	96.5	96.7	96.8	97.5	97.9	97.9	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 500	93.5	95.1	95.9	96.5	96.8	97.0	97.6	98.1	98.1	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 400	93.5	95.1	95.9	96.5	96.8	97.0	97.6	98.1	98.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 300	93.5	95.1	95.9	96.5	96.8	97.0	97.6	98.3	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 200	93.5	95.1	95.9	96.5	96.8	97.0	97.6	98.3	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 100	93.5	95.1	95.9	96.5	96.8	97.0	97.6	98.3	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 0	93.5	95.1	95.9	96.5	96.8	97.0	97.6	98.3	98.3	99.2	99.2	99.2	99.2	99.2	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 630

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

68-75
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	73.5 76.5	73.7 76.7	73.7 76.7	73.7 76.7	73.7 76.7	73.7 76.7	73.7 76.7	73.8 76.9	73.8 76.9	73.8 76.9	73.8 76.9	73.8 76.9	73.8 76.9	73.8 76.9	73.8 76.9	73.8 76.9
IV 18000 IV 16000	77.7 78.1	77.9 78.3	77.9 78.3	77.9 78.3	77.9 78.3	77.9 78.3	77.9 78.3	78.1 78.5	78.1 78.5	78.1 78.5	78.1 78.5	78.1 78.5	78.1 78.5	78.1 78.5	78.1 78.5	78.1 78.5
IV 14000 IV 12000	79.8 83.3	80.0 83.5	80.0 83.5	80.0 83.5	80.0 83.5	80.0 83.5	80.0 83.5	80.2 83.7	80.2 83.7	80.2 83.7	80.2 83.7	80.2 83.7	80.2 83.7	80.2 83.7	80.2 83.7	80.2 83.7
IV 10000 IV 9000	85.8 86.3	86.0 86.5	86.0 86.5	86.0 86.5	86.0 86.5	86.0 86.5	86.0 86.5	86.2 86.7	86.2 86.7	86.2 86.7	86.2 86.7	86.2 86.7	86.2 86.7	86.2 86.7	86.2 86.7	86.2 86.7
IV 8000 IV 7000	86.3 87.9	86.5 88.1	86.5 88.1	86.5 88.1	86.5 88.1	86.5 88.1	86.5 88.1	86.7 88.3	86.7 88.3	86.7 88.3	86.7 88.3	86.7 88.3	86.7 88.3	86.7 88.3	86.7 88.3	86.7 88.3
IV 6000 IV 5000	88.3 90.2	88.5 90.4	88.5 90.4	88.5 90.4	88.5 90.4	88.5 90.4	88.5 90.4	88.7 90.6	88.7 90.6	88.7 90.6	88.7 90.6	88.7 90.6	88.7 90.6	88.7 90.6	88.7 90.6	88.7 90.6
IV 4500 IV 4000	90.2 91.0	90.4 91.2	90.4 91.2	90.4 91.2	90.4 91.2	90.4 91.2	90.4 91.2	90.6 91.3	90.6 91.3	90.6 91.3	90.6 91.3	90.6 91.3	90.6 91.3	90.6 91.3	90.6 91.3	90.6 91.3
IV 3500 IV 3000	91.2 92.1	91.3 92.3	91.3 92.3	91.3 92.3	91.3 92.3	91.3 92.3	91.3 92.3	91.5 92.5	91.5 92.5	91.5 92.5	91.5 92.5	91.5 92.5	91.5 92.5	91.5 92.5	91.5 92.5	91.5 92.5
IV 2500 IV 2000	92.5 93.3	92.9 93.8	93.1 94.0	93.1 94.2	93.1 94.2	93.1 94.2	93.1 94.2	93.3 94.6	93.3 94.6	93.3 94.6	93.3 94.6	93.3 94.6	93.3 94.6	93.3 94.6	93.3 94.6	93.3 94.6
IV 1800 IV 1500	93.3 93.5	93.8 94.2	94.0 94.4	94.2 94.6	94.2 94.6	94.2 94.6	94.2 94.6	94.6 95.0	94.6 95.0	94.6 95.0	94.6 95.0	94.6 95.0	94.6 95.0	94.6 95.0	94.6 95.0	94.6 95.0
IV 1200 IV 1000	93.5 93.7	94.2 94.4	94.6 94.8	94.8 95.0	95.2 95.4	95.2 95.4	95.2 95.4	95.6 95.8	95.6 95.8	95.6 95.8	95.6 95.8	95.6 95.8	95.6 95.8	95.6 95.8	95.6 95.8	95.6 95.8
IV 900 IV 800	93.7 93.7	94.4 94.4	94.8 94.8	95.0 95.0	95.8 95.8	95.8 95.8	95.8 95.8	96.2 96.2	96.2 96.2	96.2 96.2	96.2 96.2	96.2 96.2	96.2 96.2	96.2 96.2	96.2 96.2	96.2 96.2
IV 700 IV 600	94.0 94.0	94.6 94.6	95.2 95.4	95.4 95.6	96.2 96.3	96.2 96.3	96.2 96.3	96.6 96.7	96.6 96.7	96.6 96.7	96.6 96.7	96.6 96.7	96.6 96.7	96.6 96.7	96.6 96.7	96.6 96.7
IV 500 IV 400	94.0 94.0	94.6 94.6	95.4 95.4	95.6 95.6	96.3 96.3	96.3 96.3	96.3 96.3	96.7 96.7	96.7 96.7	96.7 96.7	96.7 96.7	96.7 96.7	96.7 96.7	96.7 96.7	96.7 96.7	96.7 96.7
IV 300 IV 200	94.0 94.0	94.6 94.6	95.4 95.4	95.6 95.6	96.3 96.3	96.3 96.3	96.3 96.3	96.7 96.7	96.7 96.7	96.7 96.7	96.7 96.7	96.7 96.7	96.7 96.7	96.7 96.7	96.7 96.7	96.7 96.7
IV 100 IV 0	94.0 94.0	94.6 94.6	95.4 95.4	95.6 95.6	96.3 96.3	96.3 96.3	96.3 96.3	96.7 96.7	96.7 96.7	96.7 96.7	96.7 96.7	96.7 96.7	96.7 96.7	96.7 96.7	96.7 96.7	96.7 96.7

TOTAL NUMBER OF OBSERVATIONS 520

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015
STATION

FJRT CARSON CO/BUTTS AAF
STATION NAME

68-75
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	77.0	77.3	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 20000	80.9	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 18000	82.4	82.8	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 16000	82.4	82.8	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 14000	84.4	84.8	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 12000	86.3	86.7	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
IV 10000	88.7	89.1	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 9000	88.7	89.1	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 8000	88.7	89.1	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 7000	89.1	89.5	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 6000	89.1	89.5	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 5000	90.2	90.6	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 4500	90.2	90.6	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 4000	91.0	91.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 3500	91.4	91.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 3000	91.8	92.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 2500	92.2	92.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 2000	92.6	93.0	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 1800	93.0	93.4	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 1500	93.0	93.4	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 1200	93.4	93.8	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 1000	94.1	94.5	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 900	94.1	94.5	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 800	94.5	94.9	96.5	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 700	94.9	95.3	96.9	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 600	94.9	95.3	96.9	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 500	94.9	95.3	96.9	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 400	94.9	95.3	96.9	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 300	94.9	95.3	96.9	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 200	94.9	95.3	96.9	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 100	94.9	95.3	96.9	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 0	94.9	95.3	96.9	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7

TOTAL NUMBER OF OBSERVATIONS 256

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015 FORT CARSON CJ/BUTTS AAF

71, 73-75

FFH

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 20000	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 18000	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 16000	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 14000	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 12000	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 10000	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 9000	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 8000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 7000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 6000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 5000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 4500	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 4000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 3500	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 3000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 2500	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 2000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 1800	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 1500	91.7	91.7	91.7	91.7	91.7	91.7	91.7	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 1200	91.7	91.7	94.4	94.4	94.4	94.4	94.4	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 1000	94.4	94.4	97.2	97.2	97.2	97.2	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	94.4	94.4	97.2	97.2	97.2	97.2	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	94.4	94.4	97.2	97.2	97.2	97.2	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	94.4	94.4	97.2	97.2	97.2	97.2	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	94.4	94.4	97.2	97.2	97.2	97.2	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	94.4	94.4	97.2	97.2	97.2	97.2	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	94.4	94.4	97.2	97.2	97.2	97.2	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	94.4	94.4	97.2	97.2	97.2	97.2	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	94.4	94.4	97.2	97.2	97.2	97.2	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	94.4	94.4	97.2	97.2	97.2	97.2	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	94.4	94.4	97.2	97.2	97.2	97.2	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

36

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015
STATION

FJRT CARSON CO/BUTTS AAF
STATION NAME

67-71, 73-75
YEARS

FFJ
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 20000	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 18000	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 16000	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 14000	75.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 12000	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 10000	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 9000	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 8000	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 7000	83.0	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 6000	83.9	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 5000	84.4	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 4500	84.6	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 4000	84.9	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 3500	86.0	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 3000	86.0	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 2500	86.2	86.7	86.9	86.9	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 2000	86.9	87.4	87.5	87.7	88.1	88.1	88.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 1800	87.2	87.7	88.1	88.2	88.6	88.6	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 1500	87.7	88.4	88.8	88.9	89.4	89.4	89.6	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1200	87.9	88.8	89.3	89.4	90.0	90.1	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1000	88.6	89.4	90.1	90.3	91.0	91.3	91.5	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	92.2
≥ 900	88.6	89.6	90.3	90.7	91.3	91.7	92.0	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.7
≥ 800	88.9	90.1	91.0	91.3	92.0	92.4	92.9	93.3	93.3	93.4	93.6	93.6	93.6	93.6	93.6	94.1
≥ 700	89.1	90.3	91.3	91.7	92.6	92.9	93.4	93.8	93.8	93.9	94.3	94.3	94.3	94.3	94.3	94.8
≥ 600	89.1	90.3	91.3	91.7	92.7	93.1	93.6	93.8	94.1	94.5	94.8	94.8	94.8	94.8	94.8	95.3
≥ 500	89.1	90.5	91.5	91.9	93.1	93.4	93.9	94.3	94.6	95.0	95.3	95.3	95.3	95.3	95.3	95.8
≥ 400	89.1	90.5	91.5	91.9	93.1	93.4	93.9	94.3	94.6	95.0	95.3	95.3	95.3	95.3	95.3	95.8
≥ 300	89.1	90.5	91.5	91.9	93.1	93.4	93.9	94.3	94.6	95.0	95.3	95.3	95.3	95.3	95.3	95.8
≥ 200	89.1	90.5	91.5	91.9	93.1	93.4	93.9	94.3	94.6	95.0	95.3	95.3	95.3	95.3	95.3	95.8
≥ 100	89.1	90.5	91.5	91.9	93.1	93.4	93.9	94.3	94.6	95.0	95.3	95.3	95.3	95.3	95.3	95.8
≥ 0	89.1	90.5	91.5	91.9	93.1	93.4	93.9	94.3	94.6	95.0	95.3	95.3	95.3	95.3	95.3	95.8

TOTAL NUMBER OF OBSERVATIONS

578

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015
STATION

FORT CARSON CU/BUTTS AAF
STATION NAME

07-71, 73-75
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	66.4	66.7	66.8	67.0	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 2000	71.8	72.1	72.3	72.5	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 18000	72.5	72.8	72.9	73.1	73.2	73.5	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 16000	73.4	73.7	73.9	74.0	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 14000	76.1	76.4	76.5	76.7	76.8	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 12000	80.6	81.1	81.2	81.4	81.5	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IV 10000	82.0	82.6	82.8	82.9	83.1	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 9000	82.3	83.3	83.4	83.6	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 8000	82.9	83.9	84.0	84.2	84.4	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 7000	83.1	84.0	84.2	84.4	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 6000	84.2	85.1	85.3	85.4	85.6	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 5000	85.0	86.2	86.4	86.5	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 4500	85.0	86.2	86.4	86.5	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 4000	85.3	86.5	86.9	87.0	87.2	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
IV 3500	86.2	87.5	87.6	87.7	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 3000	86.7	88.1	88.4	88.6	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 2500	87.2	88.6	89.0	89.2	89.4	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 2000	87.9	89.4	89.8	90.0	90.1	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 1800	88.1	89.7	90.5	90.6	90.8	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 1500	88.4	90.1	90.9	91.1	91.2	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 1200	88.4	90.5	91.4	91.5	91.9	92.2	92.3	92.5	92.5	92.5	92.5	92.6	92.6	92.6	92.6	92.6
IV 1000	88.7	90.8	92.2	92.3	93.0	93.3	93.4	93.6	93.6	93.6	93.6	93.9	93.9	94.2	94.2	94.2
IV 900	88.7	90.8	92.2	92.5	93.1	93.4	93.6	93.7	93.7	93.7	93.7	94.1	94.1	94.4	94.4	94.4
IV 800	88.7	90.8	92.2	92.5	93.3	93.6	93.9	94.1	94.1	94.1	94.1	94.4	94.4	94.8	94.8	94.8
IV 700	88.9	91.1	92.5	93.0	93.7	94.1	94.5	95.0	95.5	95.5	95.5	95.9	95.9	96.4	96.4	96.4
IV 600	89.0	91.2	92.6	93.1	93.9	94.2	94.7	95.3	95.8	95.9	96.6	96.7	96.7	97.2	97.2	97.2
IV 500	89.0	91.4	93.0	93.4	94.2	94.5	95.3	95.9	96.6	97.2	98.1	98.1	98.7	98.9	98.9	98.9
IV 400	89.0	91.4	93.0	93.4	94.4	94.7	95.5	96.1	96.7	97.3	98.3	98.3	99.1	99.5	99.7	99.7
IV 300	89.0	91.4	93.0	93.4	94.4	94.7	95.5	96.1	96.7	97.3	98.3	98.3	99.1	99.5	99.7	99.7
IV 200	89.0	91.4	93.0	93.4	94.4	94.7	95.5	96.1	96.7	97.3	98.3	98.3	99.1	99.5	99.7	99.7
IV 100	89.0	91.4	93.0	93.4	94.4	94.7	95.5	96.1	96.7	97.3	98.3	98.3	99.1	99.5	100.0	100.0
IV 0	89.0	91.4	93.0	93.4	94.4	94.7	95.5	96.1	96.7	97.3	98.3	98.3	99.1	99.5	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 639

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

67-71, 73-75
YEARS

FFB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY, (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	60.3	60.6	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 20000	67.9	68.4	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 18000	68.6	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 16000	69.7	70.2	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 14000	72.3	72.8	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 12000	78.0	78.5	78.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 10000	78.7	79.2	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 9000	79.2	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 8000	80.6	81.4	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 7000	81.1	81.9	81.9	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
IV 6500	82.2	83.7	83.7	83.8	83.8	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 5000	85.1	86.9	86.9	87.0	87.0	87.0	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
IV 4500	86.2	88.0	88.0	88.1	88.1	88.1	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
IV 4000	87.5	89.4	89.4	89.6	89.6	89.6	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 3500	88.0	90.1	90.1	90.2	90.2	90.2	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 3000	88.9	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 2500	89.7	92.1	92.1	92.3	92.3	92.3	92.9	92.9	92.9	92.9	93.1	93.1	93.1	93.1	93.1	93.1
IV 2000	90.2	92.6	92.6	92.9	92.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 1800	90.2	92.6	92.6	92.9	92.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 1500	90.2	92.6	92.9	93.3	93.3	93.3	93.9	93.9	93.9	93.9	94.1	94.1	94.1	94.1	94.1	94.1
IV 1200	90.2	92.6	92.9	93.4	93.4	93.4	94.1	94.1	94.1	94.1	94.4	94.4	94.4	94.4	94.4	94.4
IV 1000	90.5	93.3	93.6	94.1	94.1	94.1	94.9	94.9	94.9	94.9	95.2	95.2	95.2	95.2	95.2	95.2
IV 900	90.5	93.3	93.8	94.1	94.2	94.2	95.0	95.0	95.0	95.0	95.4	95.4	95.4	95.4	95.4	95.4
IV 800	90.7	93.4	93.8	94.6	95.4	95.5	96.3	96.3	96.3	96.3	96.8	96.8	96.8	96.8	96.8	96.8
IV 700	91.0	93.8	94.1	94.9	95.7	95.8	97.0	97.0	97.0	97.0	97.3	97.3	97.3	97.3	97.3	97.3
IV 600	91.3	94.1	94.4	95.2	96.0	96.2	97.3	97.3	97.3	97.3	97.6	97.6	97.6	97.6	97.6	97.6
IV 500	91.3	94.1	94.4	95.2	96.0	96.2	97.4	97.4	97.4	97.4	97.8	97.8	97.8	97.8	97.8	97.8
IV 400	91.3	94.1	94.4	95.2	96.0	96.2	97.4	97.4	97.4	97.4	97.8	97.8	97.8	97.8	97.8	97.8
IV 300	91.3	94.1	94.4	95.2	96.0	96.2	97.4	97.4	97.4	97.4	97.8	97.8	97.8	97.8	97.8	97.8
IV 200	91.3	94.1	94.4	95.2	96.0	96.2	97.4	97.4	97.4	97.4	97.8	97.8	97.8	97.8	97.8	97.8
IV 100	91.3	94.1	94.4	95.2	96.0	96.2	97.4	97.4	97.4	97.4	97.8	97.8	97.8	97.8	97.8	97.8
IV 0	91.3	94.1	94.4	95.2	96.0	96.2	97.4	97.4	97.4	97.4	97.8	97.8	97.8	97.8	97.8	97.8

TOTAL NUMBER OF OBSERVATIONS 624

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

67-71,73-75
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	59.3	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 20000	65.8	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 18000	66.0	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 16000	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 14000	69.8	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
IV 12000	75.7	76.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 10000	76.4	76.7	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 9000	76.7	77.2	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
IV 8000	77.7	78.2	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 7000	79.3	79.8	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 6000	81.0	81.5	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
IV 5000	82.5	83.0	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 4500	83.5	84.0	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 4000	85.6	86.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 3500	86.0	86.5	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
IV 3000	87.1	88.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 2500	87.4	88.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 2000	87.4	88.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 1800	87.4	88.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 1500	87.9	89.1	90.7	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 1200	88.6	90.1	91.7	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
IV 1000	88.6	90.2	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 900	88.6	90.3	92.2	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 800	88.8	90.7	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 700	88.8	90.7	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 600	88.9	90.9	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 500	88.9	90.9	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 400	88.9	90.9	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 300	88.9	90.9	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 200	88.9	90.9	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 100	88.9	90.9	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 0	88.9	90.9	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9

TOTAL NUMBER OF OBSERVATIONS 605

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015
STATION

FORT CARSON CO/BUIITS AAF
STATION NAME

68-71, 73-75
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	62.4	62.4	62.4	62.4	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 20000	68.1	68.1	68.1	68.1	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
IV 18000	68.3	68.3	68.3	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 16000	68.5	68.5	68.5	68.5	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
IV 14000	70.3	70.3	70.3	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 12000	74.5	74.5	74.5	74.5	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IV 10000	76.0	76.0	76.0	76.0	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 9000	76.2	76.2	76.2	76.2	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
IV 8000	76.8	77.0	77.6	77.8	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 7000	78.6	79.0	79.6	79.8	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 6000	80.2	80.6	81.2	81.4	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 5000	80.2	80.6	81.2	81.4	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 4500	80.4	80.8	81.4	81.6	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 4000	81.0	81.4	82.0	82.2	82.8	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 3500	83.0	83.4	84.0	84.8	85.5	85.7	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 3000	84.4	85.1	86.5	86.7	87.2	87.5	87.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 2500	85.5	86.1	87.5	87.7	88.2	88.5	88.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 2000	85.9	86.9	88.7	88.9	89.5	89.7	89.7	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IV 1800	85.9	87.1	89.1	89.3	90.1	90.3	90.3	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV 1500	86.9	88.5	91.1	91.7	92.5	92.7	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 1200	87.1	88.7	91.3	91.9	92.7	92.9	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 1000	87.1	89.1	91.9	92.7	94.9	95.2	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 900	87.1	89.3	92.3	93.1	95.4	95.6	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 800	87.1	89.3	92.3	93.1	95.4	95.6	95.8	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 700	87.1	89.7	92.7	93.5	96.0	96.2	96.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 600	87.7	90.3	93.3	94.1	96.6	96.8	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 500	87.7	90.3	93.3	94.1	96.6	96.8	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 400	87.7	90.5	93.5	94.7	97.2	97.4	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 300	87.7	90.5	93.5	94.7	97.2	97.4	97.4	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 200	87.7	90.5	93.5	94.7	97.2	97.4	97.4	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 100	87.7	90.5	93.5	94.7	97.2	97.4	97.4	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 0	87.7	90.5	93.5	94.7	97.2	97.4	97.4	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2

TOTAL NUMBER OF OBSERVATIONS 495

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

94015
STATION

FJRT CARSON

BUTTS AAF
NAME

68-71, 73-75
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	66.8	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 18000	72.9	73.7	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV 16000	72.9	73.7	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV 14000	74.1	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 12000	74.9	75.7	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 10000	76.1	76.9	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 9000	76.1	76.9	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 8000	76.1	76.9	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 7000	76.5	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 6000	77.7	78.5	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 5000	78.1	78.9	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 4500	78.9	79.8	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 4000	79.4	80.2	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 3500	81.0	81.8	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 3000	82.6	83.4	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 2500	83.0	83.8	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 2000	83.4	84.2	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 1800	83.4	84.2	84.6	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 1500	84.6	85.4	86.2	86.6	86.6	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 1200	85.0	86.6	87.4	87.9	87.9	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 1000	85.0	86.6	87.4	87.9	88.7	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 900	85.4	87.0	87.9	88.3	89.1	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
IV 800	85.4	87.0	87.9	88.3	89.5	89.9	89.9	89.9	89.9	89.9	90.3	90.3	90.3	90.7	90.7	90.7
IV 700	85.4	87.4	88.3	89.1	90.3	90.7	90.7	90.7	90.7	91.1	91.5	91.5	91.5	91.9	91.9	91.9
IV 600	86.2	88.3	89.1	89.9	91.1	91.5	91.5	91.5	91.5	92.7	93.1	93.1	93.1	93.9	93.9	93.9
IV 500	86.2	88.3	89.1	89.9	91.1	91.5	91.5	91.5	91.5	93.1	93.5	93.5	93.5	94.3	94.3	94.3
IV 400	86.2	88.3	89.1	90.7	91.9	92.3	92.7	92.7	92.7	94.7	95.1	95.1	95.1	96.0	96.0	96.0
IV 300	86.2	88.3	89.1	90.7	91.9	92.3	92.7	92.7	92.7	94.7	95.1	95.1	95.1	96.8	96.8	97.6
IV 200	86.2	88.3	89.1	90.7	91.9	92.3	92.7	92.7	92.7	94.7	95.1	95.1	95.1	96.8	96.8	97.6
IV 100	86.2	88.3	89.1	90.7	91.9	92.3	92.7	92.7	92.7	94.7	95.1	95.1	95.1	96.8	96.8	97.6
IV 0	86.2	88.3	89.1	90.7	91.9	92.3	92.7	92.7	92.7	94.7	95.1	95.1	95.1	96.8	96.8	100.0

TOTAL NUMBER OF OBSERVATIONS 247

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015
STATION

FORT CARSON CU/BUTTS AAF
STATION NAME

74-75
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	60.0	60.0	62.2
≥ 20000	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	63.5	63.5	64.9
IV 18000	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	63.5	63.5	64.9
IV 16000	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	63.5	63.5	64.9
IV 14000	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	63.5	63.5	64.9
IV 12000	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	66.2	66.2	67.6
IV 10000	64.9	64.9	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	67.6	67.6	68.9
IV 9000	64.9	64.9	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	67.6	67.6	68.9
IV 8000	64.9	64.9	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	67.6	67.6	68.9
IV 7000	64.9	64.9	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	67.6	67.6	68.9
IV 6000	66.2	66.2	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	68.9	68.9	70.3
IV 5000	66.2	66.2	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	68.9	68.9	70.3
IV 4500	66.2	66.2	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	68.9	68.9	70.3
IV 4000	67.6	67.6	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	70.3	70.3	71.6
IV 3500	67.6	67.6	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	70.3	70.3	71.6
IV 3000	67.6	67.6	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	70.3	70.3	71.6
IV 2500	67.6	67.6	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	70.3	70.3	71.6
IV 2000	67.6	67.6	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	70.3	70.3	71.6
IV 1800	67.6	67.6	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	70.3	70.3	71.6
IV 1500	68.9	68.9	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	71.6	71.6	73.0
IV 1200	71.6	71.6	73.0	73.0	73.0	73.0	73.0	74.3	74.3	74.3	74.3	74.3	74.3	75.7	75.7	78.4
IV 1000	71.6	71.6	74.3	74.3	74.3	74.3	74.3	75.7	75.7	75.7	75.7	75.7	75.7	77.0	77.0	79.7
IV 900	71.6	71.6	74.3	74.3	74.3	74.3	74.3	75.7	75.7	75.7	75.7	75.7	75.7	77.0	77.0	79.7
IV 800	71.6	73.0	77.0	77.0	77.0	77.0	77.0	78.4	78.4	78.4	78.4	78.4	78.4	79.7	81.1	82.4
IV 700	71.6	73.0	77.0	77.0	77.0	77.0	77.0	78.4	78.4	78.4	78.4	78.4	78.4	79.7	81.1	82.4
IV 600	74.3	75.7	79.7	79.7	79.7	79.7	79.7	81.1	81.1	81.1	81.1	81.1	81.1	82.4	83.8	85.1
IV 500	74.3	75.7	79.7	81.1	81.1	81.1	81.1	82.4	82.4	82.4	82.4	82.4	82.4	83.8	85.1	86.5
IV 400	74.3	75.7	79.7	81.1	82.4	82.4	82.4	83.8	83.8	83.8	83.8	83.8	83.8	85.1	86.5	87.8
IV 300	74.3	75.7	79.7	81.1	82.4	82.4	82.4	83.8	83.8	83.8	83.8	83.8	83.8	85.1	86.5	87.8
IV 200	74.3	75.7	79.7	81.1	82.4	82.4	82.4	83.8	83.8	83.8	83.8	83.8	83.8	85.1	86.5	87.8
IV 100	75.7	77.0	81.1	82.4	85.1	85.1	86.5	87.8	87.8	87.8	87.8	87.8	87.8	89.2	90.5	91.9
IV 0	75.7	77.0	81.1	82.4	85.1	85.1	86.5	87.8	87.8	87.8	87.8	87.8	87.8	89.2	90.5	91.9

TOTAL NUMBER OF OBSERVATIONS

74

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015
STATION

FURT CARSON CO/BUITS AAF
STATION NAME

07-71, 73-75
YEARS

MAK
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	57.8	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 20000	61.0	61.7	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
IV 18000	61.4	62.1	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 16000	61.4	62.1	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 14000	63.6	64.4	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 12000	66.9	67.7	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.3	68.3	68.3
IV 10000	68.9	69.9	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.5	70.5	70.5
IV 9000	70.2	71.4	71.7	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.1	72.1	72.1
IV 8000	70.9	72.1	72.4	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.9	72.9	72.9
IV 7000	71.7	72.9	73.2	73.3	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.6	73.6	73.6
IV 6000	72.7	73.9	74.2	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.7	74.7	74.7
IV 5000	73.6	74.8	75.1	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.6	75.6	75.6
IV 4500	73.6	75.0	75.3	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.7	75.7	75.7
IV 4000	74.7	76.2	76.6	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	77.0	77.0	77.0
IV 3500	75.3	76.8	77.2	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.8	77.8	77.8
IV 3000	75.6	77.0	77.6	77.9	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.4	78.4	78.4
IV 2500	75.9	77.5	78.1	78.4	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.1	79.3	79.3	79.3
IV 2000	77.8	79.4	80.2	80.5	81.2	81.2	81.2	81.4	81.5	81.5	81.5	81.7	81.7	81.8	81.8	81.8
IV 1800	77.8	79.4	80.2	80.5	81.2	81.2	81.2	81.4	81.5	81.5	81.7	81.8	81.8	82.0	82.0	82.0
IV 1500	79.1	80.8	81.5	81.8	82.6	82.6	82.6	82.7	83.0	83.2	83.3	83.3	83.3	83.5	83.5	83.5
IV 1200	79.6	81.2	82.1	82.4	83.2	83.2	83.3	83.5	83.9	84.2	84.5	84.6	84.6	84.8	84.8	84.8
IV 1000	80.5	82.7	83.6	84.1	84.9	84.9	85.2	85.7	86.1	86.4	86.7	86.9	86.9	87.0	87.0	87.0
IV 900	80.5	82.7	83.6	84.1	84.9	84.9	85.5	86.0	86.4	86.9	87.2	87.3	87.3	87.5	87.5	87.5
IV 800	80.6	82.9	83.8	84.2	85.1	85.1	85.7	86.3	86.7	87.3	87.8	87.9	87.9	88.1	88.1	88.1
IV 700	80.8	83.5	84.4	85.1	86.3	86.3	87.0	87.8	88.2	88.8	89.3	89.7	90.0	90.2	90.5	90.5
IV 600	80.9	83.6	84.6	85.4	86.6	86.6	87.5	88.2	88.7	89.4	89.9	90.3	90.8	90.9	91.4	91.4
IV 500	80.9	83.8	84.8	85.5	87.0	87.0	88.2	89.1	89.7	90.8	91.2	91.7	92.6	93.1	93.6	93.7
IV 400	80.9	83.8	84.8	85.5	87.6	87.6	89.0	89.9	90.5	91.5	92.0	92.4	93.7	94.5	95.1	95.2
IV 300	80.9	83.8	84.9	85.7	87.9	87.9	89.3	90.3	91.1	92.1	92.5	93.0	94.5	95.4	96.0	97.2
IV 200	80.9	83.8	85.1	85.8	88.1	88.1	89.4	90.5	91.4	92.5	93.0	93.4	95.1	96.1	97.6	99.1
IV 100	80.9	83.8	85.1	85.8	88.1	88.1	89.4	90.5	91.4	92.5	93.0	93.4	95.2	96.3	97.8	100.0
IV 0	80.9	83.8	85.1	85.8	88.1	88.1	89.4	90.5	91.4	92.5	93.0	93.4	95.2	96.3	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS 671

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015
STATION

FORT CARSON CJ/BUTTS AAF
STATION NAME

67-71, 73-75
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	52.9	53.9	54.0	54.2	54.4	54.4	54.6	54.6	54.6	54.7	54.9	54.9	54.9	54.9	54.9
≥ 20000	56.6	58.0	58.3	58.4	58.7	58.7	58.8	58.8	58.8	59.0	59.1	59.1	59.1	59.1	59.1
≥ 18000	57.2	58.5	58.8	59.0	59.2	59.2	59.4	59.4	59.4	59.5	59.6	59.6	59.6	59.6	59.6
≥ 16000	57.3	58.7	59.0	59.1	59.4	59.4	59.5	59.5	59.5	59.6	59.8	59.8	59.8	59.8	59.8
≥ 14000	60.5	61.8	62.1	62.2	62.5	62.5	62.7	62.7	62.7	62.8	62.9	62.9	62.9	62.9	62.9
≥ 12000	54.7	66.1	66.3	66.5	66.8	66.8	66.9	66.9	66.9	67.0	67.2	67.2	67.2	67.2	67.2
≥ 10000	66.5	68.1	68.5	68.8	69.2	69.2	69.4	69.4	69.4	69.5	69.6	69.6	69.6	69.6	69.6
≥ 9000	66.6	68.4	68.8	69.1	69.5	69.5	69.6	69.6	69.6	69.8	69.9	69.9	69.9	69.9	69.9
≥ 8000	67.4	69.2	69.6	69.9	70.3	70.3	70.5	70.5	70.5	70.6	70.7	70.7	70.7	70.7	70.7
≥ 7000	68.0	69.8	70.2	70.5	70.9	70.9	71.0	71.0	71.0	71.1	71.3	71.3	71.3	71.3	71.3
≥ 6000	69.5	71.3	71.7	72.0	72.4	72.4	72.5	72.5	72.5	72.6	72.8	72.8	72.8	72.8	72.8
≥ 5000	71.1	72.9	73.3	73.7	74.1	74.1	74.3	74.3	74.3	74.4	74.6	74.6	74.6	74.6	74.6
≥ 4500	72.1	73.9	74.3	74.7	75.1	75.1	75.2	75.2	75.2	75.4	75.5	75.5	75.5	75.5	75.5
≥ 4000	73.1	75.1	75.5	75.9	76.3	76.3	76.5	76.5	76.5	76.6	76.7	76.7	76.7	76.7	76.7
≥ 3500	73.2	75.2	75.6	76.1	76.5	76.5	76.6	76.6	76.6	76.7	76.9	76.9	76.9	76.9	76.9
≥ 3000	73.7	75.8	76.3	76.7	77.2	77.2	77.3	77.3	77.3	77.4	77.6	77.6	77.6	77.6	77.6
≥ 2500	73.7	76.1	76.7	77.2	77.6	77.6	77.7	77.7	77.7	77.8	78.0	78.0	78.0	78.0	78.0
≥ 2000	74.0	76.5	77.3	77.8	78.5	78.5	78.9	78.9	78.9	79.1	79.3	79.3	79.3	79.3	79.3
≥ 1800	74.0	76.6	77.4	78.0	78.7	78.7	79.1	79.1	79.1	79.3	79.6	79.6	79.6	79.6	79.6
≥ 1500	74.4	77.3	78.4	78.9	79.6	79.6	80.0	80.0	80.0	80.6	80.8	80.8	81.0	81.0	81.0
≥ 1200	75.6	78.8	80.4	81.3	82.1	82.2	82.8	82.9	83.2	83.6	84.1	84.1	84.3	84.3	84.3
≥ 1000	76.7	80.4	82.4	83.4	84.3	84.4	85.4	85.5	85.8	86.3	87.0	87.0	87.1	87.1	87.1
≥ 900	77.3	81.1	83.2	84.3	85.4	85.5	86.9	87.0	87.4	88.0	88.6	88.6	88.9	89.1	89.1
≥ 800	77.8	81.8	83.9	85.0	86.0	86.2	87.6	87.8	88.2	88.9	89.9	90.0	90.2	90.3	90.3
≥ 700	77.8	81.8	84.0	85.6	87.4	87.6	89.3	90.2	90.6	91.2	92.2	92.5	92.6	92.7	92.9
≥ 600	78.0	81.9	84.1	86.0	88.0	88.1	89.9	90.7	91.2	92.1	93.2	93.4	93.8	94.0	94.3
≥ 500	78.1	82.1	84.3	86.2	88.4	88.5	90.4	91.5	92.1	93.2	94.4	94.7	95.2	95.3	95.6
≥ 400	78.1	82.1	84.3	86.2	88.6	88.8	90.7	91.8	92.3	93.4	94.7	94.9	96.3	96.4	96.9
≥ 300	78.1	82.1	84.3	86.3	88.8	88.9	90.8	92.1	92.6	93.7	95.1	95.3	96.9	97.1	97.8
≥ 200	78.1	82.1	84.3	86.3	88.8	88.9	90.8	92.1	92.6	93.7	95.1	95.3	96.9	97.1	97.8
≥ 100	78.1	82.1	84.3	86.3	88.8	88.9	90.8	92.1	92.6	93.7	95.1	95.3	96.9	97.1	97.8
≥ 0	78.1	82.1	84.3	86.3	88.8	88.9	90.8	92.1	92.6	93.7	95.1	95.3	96.9	97.1	97.8

TOTAL NUMBER OF OBSERVATIONS 731

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015
STATION

FURT CARSON CO/BUTTS AAF
STATION NAME

67-71,73-75
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	50.9	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 20000	50.2	56.2	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 18000	56.2	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 14000	56.3	57.0	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
IV 14000	59.0	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
IV 12000	63.3	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 10000	66.5	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 9000	66.9	67.8	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 8000	67.6	68.5	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 7000	69.9	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 6000	73.9	74.8	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 5000	75.0	75.9	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 4500	76.2	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 4000	76.7	78.0	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 3500	78.0	79.2	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
IV 3000	79.1	80.5	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
IV 2500	80.8	82.6	83.1	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 2000	80.9	82.7	83.3	83.5	83.7	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 1800	80.9	82.7	83.3	83.7	84.0	84.0	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 1500	81.3	83.4	84.4	85.1	85.5	85.5	85.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 1200	82.7	85.2	86.5	87.0	88.3	88.4	88.6	88.7	88.8	88.8	89.0	89.0	89.0	89.0	89.0	89.0
IV 1000	83.7	86.0	88.1	89.4	90.2	90.5	90.9	91.1	91.4	91.8	92.2	92.3	92.3	92.6	92.6	92.6
IV 900	83.7	86.0	88.1	89.4	91.1	91.4	91.9	92.3	92.7	93.3	93.7	93.9	94.3	94.3	94.3	94.3
IV 800	84.2	87.2	88.7	90.0	91.6	92.1	92.6	93.0	93.4	94.1	94.6	94.7	95.3	95.3	95.3	95.3
IV 700	84.2	87.2	88.7	90.0	92.1	92.3	93.0	93.6	94.0	95.0	95.4	95.7	96.2	96.2	96.2	96.2
IV 600	84.2	87.3	88.8	90.1	92.3	92.6	93.4	94.0	94.6	96.1	96.7	96.9	97.5	97.5	97.6	97.6
IV 500	84.2	87.3	88.8	90.2	92.5	92.7	93.6	94.1	94.7	96.2	96.9	97.2	97.8	97.8	97.9	98.0
IV 400	84.4	87.4	89.0	90.4	92.7	93.0	93.9	94.4	95.0	96.5	97.4	97.6	98.6	98.7	98.9	99.0
IV 300	84.4	87.4	89.0	90.4	92.7	93.0	93.9	94.4	95.0	96.5	97.4	97.6	98.6	99.0	99.2	99.3
IV 200	84.4	87.4	89.0	90.4	92.7	93.0	93.9	94.4	95.0	96.7	97.6	97.9	98.9	99.4	99.6	100.0
IV 100	84.4	87.4	89.0	90.4	92.7	93.0	93.9	94.4	95.0	96.7	97.6	97.9	98.9	99.4	99.6	100.0
IV 0	84.4	87.4	89.0	90.4	92.7	93.0	93.9	94.4	95.0	96.7	97.6	97.9	98.9	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS

717

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAAC

CEILING VERSUS VISIBILITY

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

67-71,73-75
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS, ST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	48.2	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
≥ 20000	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 18000	52.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 16000	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
IV 14000	55.4	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 12000	60.6	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
IV 10000	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 9000	65.2	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV 8000	66.1	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 7000	68.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 6000	73.8	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 5000	76.0	76.2	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 4500	78.2	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 4000	80.1	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 3500	80.4	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
IV 3000	81.8	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 2500	83.4	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 2000	84.3	85.8	86.2	86.4	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 1800	84.5	86.2	86.7	86.8	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 1500	85.3	87.2	87.8	88.0	88.4	88.7	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 1200	85.9	88.3	88.9	89.1	89.9	90.2	90.9	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 1000	86.5	89.0	89.6	90.0	90.9	91.2	92.1	92.2	92.5	92.8	93.0	93.0	93.1	93.1	93.1	93.1
IV 900	88.7	89.3	89.9	90.6	91.6	91.9	92.8	93.1	93.4	93.8	94.0	94.0	94.3	94.3	94.3	94.3
IV 800	88.8	89.4	90.2	90.9	92.4	92.7	93.7	94.0	94.4	95.0	95.3	95.3	96.0	96.0	96.0	96.3
IV 700	87.0	89.6	90.5	91.3	92.8	93.3	94.3	94.6	95.0	95.6	96.0	96.0	96.8	96.8	96.9	97.2
IV 600	87.2	89.9	90.8	91.6	93.1	93.7	94.9	95.2	95.6	96.3	96.9	97.1	97.8	97.9	98.1	98.4
IV 500	87.2	89.9	90.8	91.8	93.3	93.8	95.2	95.5	95.9	96.6	97.4	97.8	98.8	99.0	99.1	99.4
IV 400	87.2	89.9	90.8	91.8	93.3	93.8	95.2	95.5	95.9	96.6	97.4	97.8	98.8	99.0	99.1	99.6
IV 300	87.2	89.9	90.8	91.8	93.3	93.8	95.2	95.5	95.9	96.6	97.4	97.8	98.8	99.0	99.1	99.7
IV 200	87.2	89.9	90.8	91.8	93.3	93.8	95.2	95.5	95.9	96.6	97.4	97.8	98.8	99.0	99.4	100.0
IV 100	87.2	89.9	90.8	91.8	93.3	93.8	95.2	95.5	95.9	96.6	97.4	97.8	98.8	99.0	99.4	100.0
IV 0	87.2	89.9	90.8	91.8	93.3	93.8	95.2	95.5	95.9	96.6	97.4	97.8	98.8	99.0	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 682

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

68-71, 73-75
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 20000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 18000	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
16000	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 14000	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
12000	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 10000	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
9000	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IV 8000	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
7000	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 6000	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
5000	74.1	74.5	74.5	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 4500	75.7	75.0	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
4000	78.1	78.4	78.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 3500	80.5	81.0	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
3000	82.1	82.8	83.4	83.6	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 2500	82.9	83.6	84.3	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
2000	84.7	85.7	86.7	86.9	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 1800	84.7	85.7	86.9	87.1	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
1500	85.7	86.7	88.1	88.3	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
IV 1200	86.4	87.4	89.0	89.5	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
1000	87.4	88.4	90.0	90.5	90.7	90.9	91.0	91.0	91.2	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 900	88.4	89.7	91.2	91.7	91.9	92.1	92.2	92.2	92.6	92.9	92.9	92.9	93.1	93.1	93.1	93.1
800	89.8	91.0	92.6	93.1	93.3	93.4	93.6	93.8	94.1	94.7	94.7	94.7	95.0	95.5	95.5	95.9
IV 700	90.0	91.2	92.8	93.4	93.6	93.8	94.0	94.1	94.5	95.0	95.0	95.0	95.2	95.5	96.0	96.4
600	90.2	91.4	93.4	94.3	94.5	94.7	94.8	95.0	95.3	96.2	96.2	96.4	96.7	97.4	97.4	97.8
IV 500	90.3	91.9	94.0	95.0	95.2	95.3	95.5	95.7	96.0	96.9	97.1	97.2	97.8	98.4	98.4	98.8
400	90.5	92.1	94.1	95.2	95.3	95.7	95.9	96.0	96.4	97.2	97.4	97.6	98.1	98.8	98.8	99.1
IV 300	90.5	92.1	94.1	95.2	95.3	95.7	95.9	96.0	96.4	97.4	97.6	97.8	98.3	99.0	99.0	99.3
200	90.5	92.1	94.1	95.2	95.3	95.7	95.9	96.0	96.4	97.6	97.8	97.9	98.4	99.1	99.1	99.5
IV 100	90.5	92.1	94.1	95.2	95.3	95.7	95.9	96.0	96.4	97.6	97.8	97.9	98.4	99.1	99.1	100.0
0	90.5	92.1	94.1	95.2	95.3	95.7	95.9	96.0	96.4	97.6	97.8	97.9	98.4	99.1	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 560

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015 FORT CARSON CO/BUTTS AAF

08-71,73-75

MAR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	61.6 64.0	61.6 64.0	61.6 64.0	61.6 64.0	61.6 64.0	61.6 64.0	61.6 64.0	61.6 64.0	61.6 64.0	61.6 64.0	61.6 64.0	61.6 64.0	61.6 64.0	61.6 64.0	61.6 64.0	61.6 64.0
IV 18000 16000	64.0 64.0	64.0 64.0	64.0 64.0	64.0 64.0	64.0 64.0	64.0 64.0	64.0 64.0	64.0 64.0	64.0 64.0	64.0 64.0	64.0 64.0	64.0 64.0	64.0 64.0	64.0 64.0	64.0 64.0	64.0 64.0
IV 14000 12000	65.1 67.1	65.1 67.1	65.1 67.1	65.1 67.1	65.1 67.1	65.1 67.1	65.1 67.1	65.1 67.1	65.1 67.1	65.1 67.1	65.1 67.1	65.1 67.1	65.1 67.1	65.1 67.1	65.1 67.1	65.1 67.1
IV 10000 9000	67.1 67.8	67.1 67.8	67.1 67.8	67.1 67.8	67.1 67.8	67.1 67.8	67.1 67.8	67.1 67.8	67.1 67.8	67.1 67.8	67.1 67.8	67.1 67.8	67.1 67.8	67.1 67.8	67.1 67.8	67.1 67.8
IV 8000 7000	67.8 68.6	67.8 68.6	67.8 68.6	67.8 68.6	67.8 68.6	67.8 68.6	67.8 68.6	67.8 68.6	67.8 68.6	67.8 68.6	67.8 68.6	67.8 68.6	67.8 68.6	67.8 68.6	67.8 68.6	67.8 68.6
IV 6000 5000	69.0 73.3	69.0 73.3	69.0 73.3	69.0 73.3	69.0 73.3	69.0 73.3	69.0 73.3	69.0 73.3	69.0 73.3	69.0 73.3	69.0 73.3	69.0 73.3	69.0 73.3	69.0 73.3	69.0 73.3	69.0 73.3
IV 4500 4000	74.0 78.3	74.0 78.3	74.0 78.3	74.0 78.3	74.0 78.3	74.0 78.3	74.0 78.3	74.0 78.3	74.0 78.3	74.0 78.3	74.0 78.3	74.0 78.3	74.0 78.3	74.0 78.3	74.0 78.3	74.0 78.3
IV 3500 3000	80.6 82.6	80.6 82.6	80.6 82.6	80.6 82.6	80.6 82.6	80.6 82.6	80.6 82.6	80.6 82.6	80.6 82.6	80.6 82.6	80.6 82.6	80.6 82.6	80.6 82.6	80.6 82.6	80.6 82.6	80.6 82.6
IV 2500 2000	82.6 83.3	82.6 83.3	82.6 83.3	82.6 83.3	82.6 83.3	82.6 83.3	82.6 83.3	82.6 83.3	82.6 83.3	82.6 83.3	82.6 83.3	82.6 83.3	82.6 83.3	82.6 83.3	82.6 83.3	82.6 83.3
IV 1800 1500	84.1 84.9	84.1 84.9	84.1 84.9	84.1 84.9	84.1 84.9	84.1 84.9	84.1 84.9	84.1 84.9	84.1 84.9	84.1 84.9	84.1 84.9	84.1 84.9	84.1 84.9	84.1 84.9	84.1 84.9	84.1 84.9
IV 1200 1000	86.0 86.8	86.0 86.8	86.0 86.8	86.0 86.8	86.0 86.8	86.0 86.8	86.0 86.8	86.0 86.8	86.0 86.8	86.0 86.8	86.0 86.8	86.0 86.8	86.0 86.8	86.0 86.8	86.0 86.8	86.0 86.8
IV 900 800	87.2 87.6	87.2 87.6	87.2 87.6	87.2 87.6	87.2 87.6	87.2 87.6	87.2 87.6	87.2 87.6	87.2 87.6	87.2 87.6	87.2 87.6	87.2 87.6	87.2 87.6	87.2 87.6	87.2 87.6	87.2 87.6
IV 700 600	88.0 88.4	88.0 88.4	88.0 88.4	88.0 88.4	88.0 88.4	88.0 88.4	88.0 88.4	88.0 88.4	88.0 88.4	88.0 88.4	88.0 88.4	88.0 88.4	88.0 88.4	88.0 88.4	88.0 88.4	88.0 88.4
IV 500 400	88.8 89.3	88.8 89.3	88.8 89.3	88.8 89.3	88.8 89.3	88.8 89.3	88.8 89.3	88.8 89.3	88.8 89.3	88.8 89.3	88.8 89.3	88.8 89.3	88.8 89.3	88.8 89.3	88.8 89.3	88.8 89.3
IV 300 200	89.5 89.9	89.5 89.9	89.5 89.9	89.5 89.9	89.5 89.9	89.5 89.9	89.5 89.9	89.5 89.9	89.5 89.9	89.5 89.9	89.5 89.9	89.5 89.9	89.5 89.9	89.5 89.9	89.5 89.9	89.5 89.9
IV 100 0	89.9 89.9	89.9 89.9	89.9 89.9	89.9 89.9	89.9 89.9	89.9 89.9	89.9 89.9	89.9 89.9	89.9 89.9	89.9 89.9	89.9 89.9	89.9 89.9	89.9 89.9	89.9 89.9	89.9 89.9	89.9 89.9

TOTAL NUMBER OF OBSERVATIONS 258

DATA PROCESSING BRANCH
USAF ETAC
AIP WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

94015 FORT CARSON CO/BUTTS AAF

70-75

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 20000	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 18000	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 16000	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 14000	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 12000	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 10000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 9000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 8000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 7000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 6000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 5000	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 4500	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 4000	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 3500	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 3000	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 2500	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 2000	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 1800	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 1500	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 1200	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 1000	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 900	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 800	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 700	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 600	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 500	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 400	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 300	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 200	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 100	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 0	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8

TOTAL NUMBER OF OBSERVATIONS 74

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015
STATION

FURT CARSON CU/BUTTS AAF
STATION NAME

67-75
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	62.8	62.8	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 20000	67.2	67.2	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 18000	67.9	67.9	67.9	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 16000	68.1	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
IV 14000	69.2	69.2	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 12000	70.8	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
IV 10000	71.6	71.6	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 9000	71.8	71.8	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 8000	71.9	71.9	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 7000	72.2	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 6000	73.5	73.5	73.5	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 5000	75.5	75.5	75.5	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 4500	75.6	75.6	75.6	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 4000	76.5	76.5	76.5	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 3500	78.2	78.2	78.4	78.7	78.9	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
IV 3000	79.3	79.3	79.7	80.0	80.1	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 2500	80.7	81.1	81.1	81.6	81.8	82.1	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 2000	81.7	82.7	82.8	83.4	83.7	84.0	84.3	84.4	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 1800	81.8	82.8	83.0	83.5	83.8	84.1	84.4	84.5	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 1500	83.1	84.1	84.3	84.8	85.1	85.4	85.7	86.0	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 1200	84.0	85.4	85.7	86.2	86.7	87.0	87.5	87.9	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 1000	84.8	86.5	87.0	87.7	88.5	88.9	89.8	90.2	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 900	85.0	86.8	87.4	88.1	88.9	89.4	90.2	90.9	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 800	85.4	87.2	87.8	88.5	89.8	90.2	91.1	91.8	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 700	85.5	87.4	87.9	88.7	90.2	90.8	91.8	92.5	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 600	85.5	87.5	88.2	88.9	90.6	91.2	92.2	92.7	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 500	85.7	87.8	88.5	89.5	91.2	91.9	92.9	93.6	93.9	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 400	86.0	88.1	88.8	90.1	91.9	92.5	93.5	94.2	94.5	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 300	86.0	88.1	88.9	90.4	92.2	92.8	93.8	94.5	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 200	86.0	88.1	88.9	90.4	92.2	92.8	93.8	94.5	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 100	86.0	88.1	88.9	90.4	92.2	92.8	93.8	94.5	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 0	86.0	88.1	88.9	90.4	92.2	92.8	93.8	94.5	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5

TOTAL NUMBER OF OBSERVATIONS 705

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

67-75
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 20000	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 18000	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 16000	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
IV 14000	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
IV 12000	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IV 10000	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 9000	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IV 8000	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 7000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 6000	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 5000	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 4500	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 4000	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 3500	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 3000	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 2500	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 2000	90.4	91.0	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.4	91.4	91.4	91.4	91.4
IV 1800	90.6	91.3	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.7	91.7	91.7	91.7	91.7
IV 1500	91.4	92.3	92.7	92.9	92.9	92.9	93.3	93.3	93.3	93.4	93.4	93.5	93.5	93.5	93.7	93.7
IV 1200	91.8	92.9	93.3	93.4	93.4	93.4	93.8	93.8	93.8	93.9	94.1	94.1	94.1	94.2	94.2	94.2
IV 1000	92.5	93.5	93.9	94.2	94.2	94.2	94.6	94.6	94.6	94.7	94.8	94.8	94.8	95.0	95.0	95.0
IV 900	92.5	93.9	94.3	94.6	94.6	94.6	95.1	95.1	95.2	95.4	95.5	95.5	95.5	95.6	95.6	95.6
IV 800	92.7	94.2	94.7	95.1	95.1	95.1	95.6	95.6	95.8	95.9	96.0	96.0	96.0	96.2	96.2	96.2
IV 700	92.9	94.3	94.8	95.4	95.4	95.4	95.9	95.9	96.2	96.6	96.7	96.7	96.8	97.0	97.0	97.0
IV 600	92.9	94.3	94.8	95.4	95.5	95.5	96.0	96.0	96.3	97.0	97.1	97.2	97.4	97.5	97.5	97.5
IV 500	92.9	94.3	95.0	95.5	95.5	95.6	96.2	96.2	96.4	97.2	97.5	97.6	97.6	98.0	98.3	98.4
IV 400	92.9	94.3	95.1	95.6	95.8	95.8	96.3	96.3	96.6	97.4	97.6	97.8	98.2	98.4	98.5	98.7
IV 300	92.9	94.3	95.1	95.6	95.8	95.8	96.3	96.3	96.6	97.4	97.6	97.8	98.2	98.8	99.1	99.3
IV 200	92.9	94.3	95.1	95.6	95.9	95.9	96.4	96.4	96.7	97.8	98.0	98.2	98.5	99.2	99.5	99.7
IV 100	92.9	94.3	95.1	95.6	95.9	95.9	96.4	96.4	96.7	97.8	98.0	98.2	98.5	99.2	99.5	100.0
IV 0	92.9	94.3	95.1	95.6	95.9	95.9	96.4	96.4	96.7	97.8	98.0	98.2	98.5	99.2	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS

757

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015
STATION

FORT CARSON CU/BUTTS AAF
STATION NAME

67-75
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 20000	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 18000	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 16000	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 14000	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 12000	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 10000	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 9000	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 8000	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 7000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 6000	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 5000	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 4500	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 4000	84.8	85.0	85.2	85.5	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 3500	88.1	88.3	88.6	88.9	88.9	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 3000	90.4	90.6	91.1	91.3	91.5	91.5	91.7	91.7	91.7	91.7	91.8	91.8	91.8	92.1	92.1	92.1
≥ 2500	91.8	92.4	92.6	92.9	93.1	93.1	93.4	93.4	93.4	93.5	93.5	93.5	93.5	93.8	93.8	93.8
≥ 2000	92.5	93.0	93.3	93.5	94.0	94.2	94.4	94.4	94.4	94.6	94.6	94.6	94.6	94.8	94.8	94.8
≥ 1800	92.5	93.0	93.3	93.5	94.0	94.2	94.4	94.4	94.4	94.6	94.6	94.6	94.6	94.8	94.8	94.8
≥ 1500	92.6	93.1	93.4	93.7	94.2	94.3	94.6	94.6	94.6	94.7	94.7	94.7	94.7	94.9	94.9	94.9
≥ 1200	92.6	93.1	93.5	93.8	94.3	94.4	94.7	94.7	94.7	94.8	94.8	94.8	94.8	95.1	95.1	95.1
≥ 1000	92.6	93.1	93.8	94.0	94.6	94.7	94.9	94.9	94.9	95.1	95.1	95.1	95.1	95.3	95.3	95.3
≥ 900	92.6	93.4	94.0	94.3	94.6	94.9	95.5	95.5	95.5	95.7	95.7	95.7	95.7	96.0	96.0	96.0
≥ 800	92.7	93.5	94.4	94.7	95.3	95.5	96.0	96.1	96.2	96.6	96.6	96.6	96.6	96.9	96.9	96.9
≥ 700	92.7	93.7	94.7	94.9	95.6	95.7	96.2	96.4	96.5	97.2	97.2	97.2	97.2	97.5	97.5	97.5
≥ 600	92.7	93.7	94.7	94.9	95.6	95.7	96.2	96.4	96.5	97.2	97.2	97.2	97.2	97.7	97.7	97.7
≥ 500	92.7	93.7	94.6	95.1	95.7	95.9	96.5	96.9	97.3	97.9	97.9	97.9	98.1	98.4	98.4	98.4
≥ 400	92.7	93.7	94.6	95.1	95.7	95.9	96.5	96.9	97.4	98.2	98.6	98.8	98.8	99.4	99.6	99.6
≥ 300	92.7	93.7	94.6	95.1	95.7	95.9	96.5	96.9	97.4	98.2	98.6	98.8	98.8	99.4	99.6	99.6
≥ 200	92.7	93.7	94.6	95.1	95.7	95.9	96.5	96.9	97.4	98.2	98.6	98.8	98.8	99.4	99.6	99.6
≥ 100	92.7	93.7	94.6	95.1	95.7	95.9	96.5	96.9	97.4	98.2	98.6	98.8	98.8	99.4	99.6	99.6
≥ 0	92.7	93.7	94.6	95.1	95.7	95.9	96.5	96.9	97.4	98.2	98.6	98.8	98.8	99.4	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS

772

USAF ETAC

FORM
JUL 64

0-14-5(OLA) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015 FORT CARSON CO/BUTTS AAF

67-75

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅓	≥ 5/16	≥ ¼	≥ 0
NO CEILING	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
≥ 20000	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
IV 18000	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV 16000	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 14000	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
IV 12000	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
IV 10000	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
IV 9000	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
IV 8000	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 7000	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 6000	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 5000	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 4500	81.7	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
IV 4000	85.2	86.2	86.4	86.7	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 3500	87.5	88.8	89.2	89.4	89.8	89.8	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.2	90.2	90.2
IV 3000	88.8	90.1	90.5	90.8	91.2	91.2	91.3	91.5	91.5	91.5	91.5	91.5	91.5	91.6	91.6	91.6
IV 2500	89.3	90.8	91.2	91.5	91.9	91.9	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.4	92.4	92.4
IV 2000	89.4	90.9	91.5	91.9	92.3	92.3	92.5	92.7	92.7	92.8	92.8	92.8	92.8	93.0	93.0	93.0
IV 1800	89.4	90.9	91.5	91.9	92.3	92.3	92.5	92.7	92.7	92.8	92.8	92.8	92.8	93.0	93.0	93.0
IV 1500	89.7	91.2	91.7	92.1	92.7	92.7	93.0	93.1	93.1	93.2	93.2	93.2	93.2	93.4	93.4	93.4
IV 1200	89.8	91.5	92.1	92.5	93.2	93.4	93.9	94.2	94.2	94.3	94.3	94.3	94.3	94.4	94.4	94.4
IV 1000	90.2	91.9	92.5	93.0	93.6	93.8	94.3	95.0	95.0	95.3	95.3	95.3	95.3	95.4	95.4	95.4
IV 900	90.2	91.9	92.5	93.0	93.6	93.8	94.3	95.1	95.1	95.4	95.5	95.5	95.5	95.7	95.7	95.7
IV 800	90.5	92.1	92.8	93.2	94.3	94.4	95.0	95.8	95.8	96.2	96.7	97.0	97.0	97.6	97.6	97.6
IV 700	90.8	92.4	93.1	93.5	94.7	94.9	95.4	96.2	96.2	96.9	97.4	97.4	97.4	97.8	97.8	97.8
IV 600	90.9	92.5	93.2	93.6	94.9	95.0	95.7	96.5	96.5	97.2	97.7	97.7	97.7	97.8	98.0	98.0
IV 500	90.9	92.5	93.4	93.8	95.0	95.1	95.9	96.7	96.7	97.4	98.0	98.0	98.0	98.1	98.2	98.2
IV 400	90.9	92.5	93.4	93.8	95.0	95.1	95.9	96.7	96.7	97.8	98.4	98.4	98.4	98.5	99.2	99.2
IV 300	90.9	92.5	93.4	93.8	95.0	95.1	95.9	96.7	96.7	97.8	98.4	98.4	98.4	98.5	99.2	99.2
IV 200	90.9	92.5	93.4	93.8	95.0	95.1	96.1	96.9	96.9	98.0	98.5	98.5	98.5	98.6	99.3	99.3
IV 100	90.9	92.5	93.4	93.8	95.0	95.1	96.1	96.9	96.9	98.0	98.5	98.5	98.5	98.6	99.3	99.3
IV 0	90.9	92.5	93.4	93.8	95.0	95.1	96.1	96.9	96.9	98.0	98.5	98.5	98.5	98.6	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 738

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

68-75
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 20000	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
18000	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
16000	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
14000	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
12000	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
10000	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
9000	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
8000	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
7000	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
6000	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
5000	82.8	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
4500	87.1	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
4000	87.6	83.8	88.9	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
3500	89.8	91.1	91.5	91.9	92.0	92.0	92.0	92.2	92.5	92.5	92.5	92.7	92.8	92.8	92.8	92.8
3000	90.1	91.5	92.0	92.4	92.5	92.5	92.5	92.7	93.0	93.0	93.2	93.3	93.3	93.3	93.3	93.3
2500	90.4	92.2	92.7	93.0	93.2	93.2	93.3	93.7	93.7	93.7	93.8	94.0	94.0	94.0	94.0	94.0
2000	90.7	92.5	93.0	93.3	93.5	93.5	93.5	93.7	94.0	94.0	94.3	94.5	94.5	94.5	94.5	94.5
1800	90.7	92.5	93.0	93.3	93.5	93.5	93.5	93.7	94.0	94.0	94.3	94.5	94.5	94.5	94.5	94.5
1500	90.9	92.7	93.2	93.5	93.7	93.7	93.8	94.1	94.1	94.1	94.5	94.6	94.6	94.6	94.6	94.6
1200	90.9	92.7	93.3	93.7	94.0	94.0	94.1	94.6	94.6	94.6	95.0	95.1	95.1	95.1	95.1	95.1
1000	91.1	92.8	93.7	94.0	94.3	94.3	94.5	95.0	95.0	95.0	95.3	95.6	95.6	95.6	95.6	95.6
900	91.2	93.0	93.8	94.1	94.5	94.5	94.6	95.1	95.1	95.1	95.6	95.9	95.9	95.9	95.9	95.9
800	91.5	93.3	94.1	94.5	94.8	94.8	95.0	95.4	95.4	95.4	95.9	96.3	96.3	96.3	96.3	96.3
700	92.0	93.8	94.6	95.0	95.3	95.3	95.4	95.9	95.9	95.9	96.4	96.9	96.9	96.9	96.9	96.9
600	92.2	94.3	95.1	95.4	95.8	95.8	95.9	96.7	96.7	96.7	97.7	98.2	98.2	98.2	98.2	98.2
500	92.2	94.5	95.3	95.6	95.9	95.9	96.1	96.9	96.9	96.9	98.2	98.9	98.9	98.9	98.9	98.9
400	92.2	94.5	95.3	95.6	95.9	95.9	96.1	96.9	96.9	96.9	98.2	98.9	98.9	98.9	98.9	98.9
300	92.2	94.5	95.3	95.6	95.9	95.9	96.1	96.9	96.9	96.9	98.2	98.9	98.9	98.9	98.9	98.9
200	92.2	94.5	95.3	95.6	95.9	95.9	96.1	96.9	96.9	96.9	98.2	98.9	98.9	98.9	98.9	98.9
100	92.2	94.5	95.3	95.6	95.9	95.9	96.1	96.9	96.9	96.9	98.2	98.9	98.9	98.9	98.9	98.9
0	92.2	94.5	95.3	95.6	95.9	95.9	96.1	96.9	96.9	96.9	98.2	98.9	98.9	98.9	98.9	98.9

TOTAL NUMBER OF OBSERVATIONS 615

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MA

CEILING VERSUS VISIBILITY

94015 FORT CARSON CO/BUTTS AAF

08-75

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300
HOURS LT

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	67.9	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 20000	71.4	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 18000	71.4	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 16000	71.4	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 14000	71.8	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 12000	75.2	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IV 10000	79.4	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 9000	80.2	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 8000	80.2	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 7000	82.4	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 6000	84.0	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 5000	86.6	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 4500	87.4	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 4000	90.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 3500	90.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 3000	91.6	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 2500	92.7	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 2000	93.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 1500	93.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 1200	94.3	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 1000	94.7	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 900	95.0	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 800	95.4	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 700	95.4	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 600	95.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 500	95.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 400	95.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 300	95.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 200	95.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 100	95.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 0	95.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7

TOTAL NUMBER OF OBSERVATIONS 202

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

67, 70-71, 73-75
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0100-0500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	63.5	63.5	63.5	63.5	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 20000	65.9	65.9	65.9	65.9	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV 18000	65.9	65.9	65.9	65.9	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV 16000	65.9	65.9	65.9	65.9	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV 14000	67.7	67.7	67.7	67.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 12000	70.1	70.1	70.1	70.1	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 10000	74.3	74.3	74.3	74.3	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 9000	74.3	74.3	74.3	74.3	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 8000	74.9	74.9	74.9	74.9	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IV 7000	75.4	76.0	76.0	76.0	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 6000	77.8	78.4	78.4	78.4	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 5000	79.0	79.6	79.6	79.6	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 4500	79.0	79.6	79.6	79.6	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 4000	82.6	83.2	83.2	83.2	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 3500	82.6	83.2	83.2	83.2	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 3000	86.8	87.4	87.4	87.4	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 2500	87.4	88.0	88.0	88.0	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
IV 2000	89.2	90.4	90.4	90.4	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 1800	89.2	90.4	90.4	90.4	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 1500	89.2	90.4	90.4	90.4	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 1200	91.0	92.6	93.4	93.4	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 1000	91.6	93.4	94.6	94.6	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 900	92.2	94.0	95.8	95.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 800	92.2	94.0	95.8	95.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 700	92.2	94.0	95.8	95.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 600	92.2	94.0	95.8	95.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 500	92.2	94.0	95.8	95.8	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 400	92.2	94.0	95.8	95.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 300	92.2	94.0	96.4	96.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 200	92.2	94.0	96.4	96.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 100	92.2	94.0	96.4	96.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 0	92.2	94.0	96.4	96.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8

TOTAL NUMBER OF OBSERVATIONS 167

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015
STATION

FORT CARSON CB/BUTTS AAF
STATION NAME

67-75
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING ≥ 20000	61.7 66.7	62.2 67.3	62.2 67.3	62.2 67.3	62.2 67.3	62.2 67.3	62.2 67.3	62.2 67.3	62.2 67.3	62.2 67.3	62.2 67.3	62.2 67.3	62.2 67.3	62.2 67.3	62.2 67.3	62.2 67.3
IV 18000 16000	66.7 66.8	67.3 67.4	67.3 67.4	67.3 67.4	67.3 67.4	67.3 67.4	67.3 67.4	67.3 67.4	67.3 67.4	67.3 67.4	67.3 67.4	67.3 67.4	67.3 67.4	67.3 67.4	67.3 67.4	67.3 67.4
IV 14000 12000	67.9 71.2	68.5 71.7	68.5 71.7	68.5 71.7	68.5 71.7	68.5 71.7	68.5 71.7	68.5 71.7	68.5 71.7	68.5 71.7	68.5 71.7	68.5 71.7	68.5 71.7	68.5 71.7	68.5 71.7	68.5 71.7
IV 10000 9000	72.8 72.8	73.4 73.4	73.4 73.4	73.4 73.4	73.4 73.4	73.4 73.4	73.4 73.4	73.4 73.4	73.4 73.4	73.4 73.4	73.4 73.4	73.4 73.4	73.4 73.4	73.4 73.4	73.4 73.4	73.4 73.4
IV 8000 7000	73.4 74.4	74.0 75.2	74.0 75.2	74.0 75.2	74.0 75.2	74.0 75.2	74.0 75.2	74.0 75.2	74.0 75.2	74.0 75.2	74.0 75.2	74.0 75.2	74.0 75.2	74.0 75.2	74.0 75.2	74.0 75.2
IV 6000 5000	76.1 78.2	76.8 78.9	76.8 78.9	76.8 78.9	76.8 78.9	76.8 78.9	76.8 78.9	76.8 78.9	76.8 78.9	76.8 78.9	76.8 78.9	76.8 78.9	76.8 78.9	76.8 78.9	76.8 78.9	76.8 78.9
IV 4500 4000	78.3 80.4	79.1 81.2	79.1 81.3	79.1 81.5	79.1 81.5	79.1 81.5	79.1 81.5	79.1 81.5	79.1 81.5	79.1 81.5	79.1 81.5	79.1 81.5	79.1 81.5	79.1 81.5	79.1 81.5	79.1 81.5
IV 3500 3000	81.0 83.6	82.4 84.6	82.7 85.1	82.8 85.4	82.8 85.5	82.8 85.5	82.8 85.5	82.8 85.5	82.8 85.5	82.8 85.5	82.8 85.5	82.8 85.5	82.8 85.5	82.8 85.5	82.8 85.5	82.8 85.5
IV 2500 2000	84.6 85.2	85.7 87.0	86.1 87.4	86.4 87.7	86.5 88.0	86.5 88.0	86.5 88.0	86.5 88.0	86.5 88.0	86.5 88.0	86.5 88.0	86.5 88.0	86.5 88.0	86.5 88.0	86.5 88.0	86.5 88.0
IV 1800 1500	85.5 86.5	87.4 88.8	87.9 89.4	88.3 90.0	88.6 90.3	88.6 90.3	88.6 90.3	88.6 90.3	88.6 90.3	88.6 90.3	88.6 90.3	88.6 90.3	88.6 90.3	88.6 90.3	88.6 90.3	88.6 90.3
IV 1200 1000	87.1 88.8	89.5 91.5	90.3 92.4	90.9 93.0	91.2 93.9	91.2 93.9	91.2 93.9	91.2 93.9	91.2 93.9	91.2 93.9	91.2 93.9	91.2 93.9	91.2 93.9	91.2 93.9	91.2 93.9	91.2 93.9
IV 900 800	89.1 89.7	92.1 92.7	93.0 93.7	93.7 94.5	94.8 95.5	94.8 95.5	94.8 95.5	94.8 95.5	94.8 95.5	94.8 95.5	94.8 95.5	94.8 95.5	94.8 95.5	94.8 95.5	94.8 95.5	94.8 95.5
IV 700 600	90.0 90.4	93.1 93.6	94.3 95.4	95.4 96.3	96.6 97.5	96.6 97.5	96.6 97.5	96.6 97.5	96.6 97.5	96.6 97.5	96.6 97.5	96.6 97.5	96.6 97.5	96.6 97.5	96.6 97.5	96.6 97.5
IV 500 400	90.4 90.4	93.7 93.9	95.5 95.7	96.4 96.6	97.6 97.9	97.6 97.9	97.6 97.9	97.6 97.9	97.6 97.9	97.6 97.9	97.6 97.9	97.6 97.9	97.6 97.9	97.6 97.9	97.6 97.9	97.6 97.9
IV 300 200	90.4 90.4	94.0 94.0	95.8 95.8	96.7 96.7	98.1 98.1	98.1 98.1	98.1 98.1	98.1 98.1	98.1 98.1	98.1 98.1	98.1 98.1	98.1 98.1	98.1 98.1	98.1 98.1	98.1 98.1	98.1 98.1
IV 100 0	90.4 90.4	94.0 94.0	95.8 95.8	96.7 96.7	98.1 98.1	98.1 98.1	98.1 98.1	98.1 98.1	98.1 98.1	98.1 98.1	98.1 98.1	98.1 98.1	98.1 98.1	98.1 98.1	98.1 98.1	98.1 98.1

TOTAL NUMBER OF OBSERVATIONS 669

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015
STATION

FURT CARSON CU/BUTTS AAF
STATION NAME

07-75
YEARS

JAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 20000	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 18000	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
IV 16000	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 14000	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
IV 12000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 10000	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 9000	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 8000	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 7000	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 6000	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 5000	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 4500	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 4000	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 3500	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 3000	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 2500	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 2000	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 1800	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 1500	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 1200	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 1000	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 900	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 800	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 700	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 600	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 500	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 400	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 300	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 200	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 100	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 0	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5

TOTAL NUMBER OF OBSERVATIONS 727

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015
STATION

FURT CARSON CU/BUTTS AAF
STATION NAME

67-75
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
IV 20000	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
IV 18000	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 16000	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
IV 14000	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
IV 12000	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 10000	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
IV 9000	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 8000	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 7000	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IV 6000	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 5000	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 4500	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 4000	90.0	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 3500	92.7	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 3000	94.2	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 2500	95.2	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 2000	97.2	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 1800	97.4	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 1500	97.6	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 1200	97.7	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1000	97.9	98.8	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 900	98.1	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 800	98.2	99.1	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 700	98.5	99.4	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	98.5	99.4	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	98.5	99.4	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	98.5	99.4	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	98.5	99.4	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	98.5	99.4	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	98.5	99.4	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	98.5	99.4	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS

778

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

67-71, 73-75
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
≥ 20000	36.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
IV 18000	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
IV 16000	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
IV 14000	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 12000	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
IV 10000	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
IV 9000	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
IV 8000	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 7000	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
IV 6000	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
IV 5000	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 4500	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 4000	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 3500	93.5	94.1	94.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 3000	94.1	95.0	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 2500	95.1	96.0	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 2000	96.1	97.3	97.9	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 1800	96.3	97.5	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 1500	96.6	97.8	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1200	97.3	98.5	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1000	97.3	98.7	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 900	97.3	98.7	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 800	97.3	98.7	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	97.3	98.7	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	97.3	98.7	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	97.3	98.7	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	97.3	98.7	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	97.3	98.7	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	97.3	98.7	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	97.3	98.7	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	97.3	98.7	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 674

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

67-75
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
≥ 20000	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 18000	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 16000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 14000	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
IV 12000	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
IV 10000	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 9000	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
IV 8000	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV 7000	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 6000	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IV 5000	87.8	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 4500	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 4000	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 3500	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 3000	94.5	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 2500	94.5	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 2000	95.9	96.7	97.3	97.3	97.5	97.5	97.6	97.6	97.6	97.9	97.9	97.9	97.9	97.9	97.9
IV 1800	96.0	96.8	97.5	97.5	97.6	97.6	97.8	97.8	97.8	98.1	98.1	98.1	98.1	98.1	98.1
IV 1500	96.7	97.5	98.1	98.1	98.3	98.3	98.4	98.4	98.6	98.9	98.9	98.9	98.9	98.9	98.9
IV 1200	96.7	97.5	98.1	98.3	98.4	98.4	98.6	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0
IV 1000	96.7	97.5	98.1	98.3	98.6	98.6	98.7	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2
IV 900	96.7	97.5	98.1	98.3	98.6	98.6	98.7	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2
IV 800	96.8	97.6	98.3	98.4	98.7	98.7	98.9	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5
IV 700	96.8	97.6	98.3	98.4	98.7	98.7	98.9	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5
IV 600	96.8	97.6	98.3	98.4	98.7	98.7	98.9	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5
IV 500	97.0	97.8	98.4	98.7	99.0	99.0	99.2	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	97.0	97.8	98.4	98.7	99.0	99.0	99.2	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	97.0	97.8	98.4	98.7	99.0	99.0	99.2	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	97.0	97.8	98.4	98.7	99.0	99.0	99.2	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	97.0	97.8	98.4	98.7	99.0	99.0	99.2	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	97.0	97.8	98.4	98.7	99.0	99.0	99.2	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 631

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/11AC

CEILING VERSUS VISIBILITY

94015
STATION

FURT CARSON CO/BUTTS AAF
STATION NAME

70-75
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 20000	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 18000	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 16000	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 14000	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 12000	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
IV 10000	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 9000	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV 8000	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 7000	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 6000	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 5000	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 4500	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 4000	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 3500	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 3000	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 2500	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 2000	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1800	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1500	99.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	99.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	99.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	99.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 130

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

94015
STATION

FORT CARSON CU/BUTTS AAF
STATION NAME

67-69-71-73-75
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 20000	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	80.2	80.2	80.2
IV 18000	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	80.2	80.2	80.2
IV 16000	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	80.2	80.2	80.2
IV 14000	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	81.4	81.4	81.4
IV 12000	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.6	82.6	82.6
IV 10000	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	85.0	85.0	85.0
IV 9000	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	85.0	85.0	85.0
IV 8000	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	85.0	85.0	85.0
IV 7000	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.6	85.6	85.6
IV 6000	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.6	88.6	88.6
IV 5000	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.6	91.6	91.6
IV 4500	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.8	92.8	92.8
IV 4000	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	93.4	93.4	93.4
IV 3500	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	95.2	95.2	95.2
IV 3000	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	96.4	96.4	96.4
IV 2500	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	98.2	98.2	98.2
IV 2000	97.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.8	98.8	98.8
IV 1800	97.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.8	98.8	98.8
IV 1500	97.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.8	98.8	98.8
IV 1200	97.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.8	98.8	98.8
IV 1000	97.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.8	98.8	98.8
IV 900	97.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.8	98.8	98.8
IV 800	97.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.8	98.8	98.8
IV 700	97.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.8	98.8	98.8
IV 600	97.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.8	98.8	98.8
IV 500	97.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.8	98.8	98.8
IV 400	97.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.8	98.8	98.8
IV 300	97.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.8	98.8	98.8
IV 200	97.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	99.4	99.4	99.4
IV 100	97.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	99.4	99.4	99.4
IV 0	97.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 107

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

67-71, 73-75
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 20000	78.2	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 18000	78.2	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 16000	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
IV 14000	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 12000	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 10000	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 9000	83.5	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 8000	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 7000	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 6000	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 5000	87.5	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 4500	88.7	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 4000	90.3	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 3500	91.2	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 3000	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 2500	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 2000	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 1800	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 1500	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 1200	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 1000	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 900	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 800	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 700	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 600	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 500	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 400	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 300	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 200	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 100	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 0	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2

TOTAL NUMBER OF OBSERVATIONS 679

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

67-71, 73-75
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 20000	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
IV 18000	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
IV 16000	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 14000	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 12000	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 10000	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 9000	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 8000	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 7000	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 6000	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 5000	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 4500	90.2	90.5	90.5	90.5	90.5	90.5	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 4000	91.5	91.8	91.8	91.8	91.8	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 3500	93.2	93.8	93.9	93.9	93.9	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 3000	94.3	94.9	95.0	95.0	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 2500	94.8	95.3	95.5	95.5	95.6	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 2000	95.5	96.2	96.3	96.3	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 1800	95.6	96.3	96.5	96.5	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 1500	95.8	96.5	96.7	96.9	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 1200	96.2	96.9	97.2	97.3	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 1000	96.2	96.9	97.5	97.6	97.7	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 900	96.3	97.5	98.0	98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 800	96.5	97.6	98.2	98.3	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 700	96.6	97.7	98.3	98.4	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 600	96.7	97.9	98.4	98.6	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 500	96.7	97.9	98.4	98.6	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 400	96.7	98.0	98.7	98.9	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 300	96.7	98.0	98.7	98.9	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 200	96.7	98.0	98.7	98.9	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 100	96.7	98.0	98.7	98.9	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 0	96.7	98.0	98.7	98.9	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 707

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015 FORT CARSON CO/BUTTS AAF

67-71, 73-75

11/74

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (L-T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 18000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 16000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 14000	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
IV 12000	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IV 10000	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 9000	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 8000	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 7000	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 6000	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 5000	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 4500	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 4000	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 3500	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 3000	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 2500	97.7	97.7	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 2000	98.5	98.5	98.5	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 1800	98.8	98.8	98.8	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 1500	98.8	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1200	98.8	98.9	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1000	98.9	99.1	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 900	98.9	99.1	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 800	98.9	99.1	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 700	98.9	99.1	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 600	98.9	99.1	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 500	98.9	99.1	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	98.9	99.1	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	98.9	99.1	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	98.9	99.1	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	98.9	99.1	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
IV 0	98.9	99.1	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 751

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

07-71, 72-73
YEARS

JULY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	41.6 47.0	41.6 47.0	41.6 47.0	41.6 47.0	41.6 47.0	41.6 47.0	41.6 47.0	41.6 47.0	41.6 47.0	41.6 47.0	41.6 47.0	41.6 47.0	41.6 47.0	41.6 47.0	41.6 47.0	41.6 47.0
IV 18000 IV 16000	47.5 47.5	47.5 47.5	47.5 47.5	47.5 47.5	47.5 47.5	47.5 47.5	47.5 47.5	47.5 47.5	47.5 47.5	47.5 47.5	47.5 47.5	47.5 47.5	47.5 47.5	47.5 47.5	47.5 47.5	47.5 47.5
V 14000 IV 12000	51.5 61.2	51.5 61.2	51.5 61.2	51.5 61.2	51.5 61.2	51.5 61.2	51.5 61.2	51.5 61.2	51.5 61.2	51.5 61.2	51.5 61.2	51.5 61.2	51.5 61.2	51.5 61.2	51.5 61.2	51.5 61.2
IV 10000 IV 9000	65.9 66.3	65.9 66.3	65.9 66.3	65.9 66.3	65.9 66.3	65.9 66.3	65.9 66.3	65.9 66.3	65.9 66.3	65.9 66.3	65.9 66.3	65.9 66.3	65.9 66.3	65.9 66.3	65.9 66.3	65.9 66.3
IV 8000 IV 7000	66.9 81.1	66.9 81.1	66.9 81.1	66.9 81.1	66.9 81.1	66.9 81.1	66.9 81.1	66.9 81.1	66.9 81.1	66.9 81.1	66.9 81.1	66.9 81.1	66.9 81.1	66.9 81.1	66.9 81.1	66.9 81.1
IV 6000 IV 5000	90.4 93.8	90.4 94.1	90.4 94.2	90.4 94.2	90.4 94.2	90.4 94.2	90.4 94.2	90.4 94.2	90.4 94.2	90.4 94.2	90.4 94.2	90.4 94.2	90.4 94.2	90.4 94.2	90.4 94.2	90.4 94.2
IV 4500 IV 4000	94.9 95.9	94.9 96.2	94.9 96.3	94.9 96.3	94.9 96.5	94.9 96.5	94.9 96.5	94.9 96.5	94.9 96.5	94.9 96.5	94.9 96.5	94.9 96.5	94.9 96.5	94.9 96.5	94.9 96.5	94.9 96.5
IV 3500 IV 3000	96.3 97.6	96.3 98.2	96.3 98.3	96.3 98.3	96.3 98.4	96.3 98.4	96.3 98.4	96.3 98.4	96.3 98.4	96.3 98.4	96.3 98.4	96.3 98.4	96.3 98.4	96.3 98.4	96.3 98.4	96.3 98.4
IV 2500 IV 2000	98.0 98.2	98.0 98.7	98.0 99.0	98.0 99.0	98.0 99.2	98.0 99.2	98.0 99.2	98.0 99.2	98.0 99.2	98.0 99.2	98.0 99.2	98.0 99.2	98.0 99.2	98.0 99.2	98.0 99.2	98.0 99.2
IV 1800 IV 1500	98.2 98.2	98.2 98.7	98.2 99.0	98.2 99.0	98.2 99.2	98.2 99.2	98.2 99.2	98.2 99.2	98.2 99.2	98.2 99.2	98.2 99.2	98.2 99.2	98.2 99.2	98.2 99.2	98.2 99.2	98.2 99.2
IV 1200 IV 1000	98.2 98.2	98.2 98.7	98.2 99.0	98.2 99.0	98.2 99.2	98.2 99.2	98.2 99.2	98.2 99.2	98.2 99.2	98.2 99.2	98.2 99.2	98.2 99.2	98.2 99.2	98.2 99.2	98.2 99.2	98.2 99.2
IV 900 IV 800	98.2 98.2	98.2 98.9	98.2 99.4	98.2 99.4	98.2 99.6	98.2 99.6	98.2 99.6	98.2 99.6	98.2 99.6	98.2 99.6	98.2 99.6	98.2 99.6	98.2 99.6	98.2 99.6	98.2 99.6	98.2 99.6
IV 700 IV 600	98.2 98.2	98.2 98.9	98.2 99.4	98.2 99.4	98.2 99.6	98.2 99.6	98.2 99.6	98.2 99.6	98.2 99.6	98.2 99.6	98.2 99.6	98.2 99.6	98.2 99.6	98.2 99.6	98.2 99.6	98.2 99.6
IV 500 IV 400	98.2 98.2	98.2 99.0	98.2 99.9	98.2 99.9	98.2 100.0	98.2 100.0	98.2 100.0	98.2 100.0	98.2 100.0	98.2 100.0	98.2 100.0	98.2 100.0	98.2 100.0	98.2 100.0	98.2 100.0	98.2 100.0
IV 300 IV 200	98.2 98.2	98.2 99.0	98.2 99.9	98.2 99.9	98.2 100.0	98.2 100.0	98.2 100.0	98.2 100.0	98.2 100.0	98.2 100.0	98.2 100.0	98.2 100.0	98.2 100.0	98.2 100.0	98.2 100.0	98.2 100.0
IV 100 IV 0	98.2 98.2	98.2 99.0	98.2 99.9	98.2 99.9	98.2 100.0	98.2 100.0	98.2 100.0	98.2 100.0	98.2 100.0	98.2 100.0	98.2 100.0	98.2 100.0	98.2 100.0	98.2 100.0	98.2 100.0	98.2 100.0

TOTAL NUMBER OF OBSERVATIONS 709

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015
STATION

FURT CARSON CO/BUTTS AAF
STATION NAME

67-75
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 20000	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
IV 18000	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
IV 16000	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
IV 14000	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 12000	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 10000	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 9000	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 8000	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 7000	86.4	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 6000	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 5000	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 4500	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 4000	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 3500	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 3000	98.4	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 2500	98.5	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 2000	98.5	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1800	98.5	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1500	98.5	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1200	98.5	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1000	98.7	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 900	98.7	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 800	98.7	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 700	98.7	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 600	98.7	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 500	98.7	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 400	98.7	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 300	98.7	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 200	98.7	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 100	98.7	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 0	98.7	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 618

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015
STATION

FURT CARSON CO/BUTTS AAF
STATION NAME

70-71, 73-75
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 20000	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 18000	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 16000	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
IV 14000	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 12000	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 10000	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 9000	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 8000	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 7000	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 6000	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 5000	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 4500	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 4000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 3500	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 3000	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 2500	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 2000	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 1800	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 1500	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 1200	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 1000	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 900	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 800	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 700	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 600	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 500	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 130

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

67,69-75
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 20000	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 18000	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 16000	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 14000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 12000	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 10000	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 9000	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 8000	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 7000	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 6000	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 5000	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 4500	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 4000	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 3500	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 3000	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 2500	92.6	92.6	92.6	92.6	92.6	92.6	92.6	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 2000	92.6	92.6	92.6	92.6	92.6	92.6	92.6	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 1800	93.1	93.1	93.1	93.6	93.6	93.6	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 1500	94.1	94.1	94.1	94.6	94.6	95.0	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 1200	94.1	94.1	94.1	94.6	94.6	95.0	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 1000	94.6	94.6	94.6	95.0	95.0	95.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 900	94.6	94.6	94.6	95.0	95.0	95.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 800	94.6	94.6	94.6	95.0	95.0	95.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 700	94.6	94.6	94.6	95.0	95.0	95.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 600	94.6	94.6	94.6	95.0	95.0	95.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 500	94.6	94.6	94.6	95.0	95.0	95.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 400	94.6	94.6	94.6	95.5	95.5	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 300	94.6	94.6	94.6	95.5	95.5	96.0	97.5	97.5	97.5	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 200	94.6	94.6	94.6	95.5	95.5	96.0	97.5	97.5	97.5	98.5	98.5	98.5	99.0	99.0	99.0	99.0
IV 100	94.6	94.6	94.6	95.5	95.5	96.0	97.5	97.5	97.5	98.5	98.5	98.5	99.0	99.0	99.0	99.0
IV 0	94.6	94.6	94.6	95.5	95.5	96.0	97.5	97.5	97.5	98.5	98.5	98.5	99.0	99.0	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 202

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

94015
STATION

FURT CARSON CO/BUTTS AAF
STATION NAME

67-75
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	74.2	74.3	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 20000	77.4	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 18000	77.4	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 16000	77.4	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 14000	79.6	79.8	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 12000	84.7	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 10000	86.6	86.8	86.8	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 9000	87.6	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 8000	88.3	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 7000	88.7	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.4	89.4	89.4	89.4	89.4	89.4
IV 6000	89.9	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 5000	90.5	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 4500	90.9	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 4000	91.1	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 3500	91.8	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 3000	91.9	92.7	92.7	92.9	92.9	92.9	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 2500	91.9	92.7	92.7	92.9	92.9	92.9	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 2000	92.5	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 1800	92.6	93.4	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 1500	92.9	93.7	94.0	94.5	94.5	94.6	94.6	94.6	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 1200	93.4	94.2	94.6	95.6	95.7	95.8	95.8	95.8	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 1000	94.1	95.2	95.6	96.6	96.8	96.9	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 900	94.4	95.4	95.8	96.9	97.0	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 800	94.5	95.6	96.0	97.2	97.3	97.4	97.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 700	94.5	95.6	96.0	97.2	97.3	97.4	97.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 600	94.6	95.8	96.2	97.4	97.7	97.8	98.1	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 500	94.6	96.1	96.6	98.0	98.3	98.4	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 400	94.6	96.1	96.6	98.1	98.4	98.5	98.8	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 300	94.8	96.4	96.9	98.4	98.8	98.9	99.2	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	94.8	96.4	96.9	98.4	98.8	98.9	99.2	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	94.9	96.5	97.0	98.5	98.9	99.1	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
IV 0	94.9	96.5	97.0	98.5	98.9	99.1	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 744

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

67-75
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 20000	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
IV 18000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 16000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 14000	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 12000	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 10000	87.0	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 9000	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 8000	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 7000	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IV 6000	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 5000	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 4500	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 4000	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 3500	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 3000	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 2500	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 2000	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 1800	95.6	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 1500	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 1200	96.5	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 1000	96.9	97.7	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 900	96.9	97.7	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 800	96.9	97.9	98.0	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 700	97.4	98.4	98.5	98.7	98.9	98.9	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 600	97.5	98.7	98.9	99.1	99.4	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	97.5	98.7	98.9	99.1	99.4	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	97.5	98.7	98.9	99.1	99.4	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	97.5	98.7	98.9	99.1	99.4	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	97.5	98.7	98.9	99.1	99.4	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	97.5	98.7	98.9	99.1	99.4	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	97.5	98.7	98.9	99.1	99.4	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 794

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

67-75
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 20000	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
IV 18000	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
IV 16000	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
IV 14000	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 12000	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
IV 10000	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IV 9000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 8000	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 7000	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 6000	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 5000	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 4500	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 4000	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 3500	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 3000	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 2500	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 2000	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 1800	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 1500	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1200	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 1000	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 900	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 800	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 700	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 600	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 500	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 400	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 300	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 200	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 100	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 0	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 857

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

67-75
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1
≥ 20000	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
IV 18000	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
IV 16000	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
IV 14000	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
IV 12000	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
IV 10000	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
IV 9000	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
IV 8000	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
IV 7000	75.0	75.2	75.2	75.3	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IV 6000	88.3	88.5	88.5	88.7	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 5000	92.8	93.2	93.2	93.3	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 4500	93.9	94.3	94.3	94.6	94.6	94.6	94.7	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 4000	95.2	95.7	95.7	96.0	96.1	96.1	96.2	96.2	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 3500	96.1	96.5	96.5	96.7	96.8	96.8	97.1	97.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 3000	97.5	97.9	98.1	98.4	98.5	98.5	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 2500	97.6	98.0	98.2	98.5	98.6	98.6	98.9	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 2000	97.6	98.2	98.5	98.9	99.0	99.0	99.2	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1800	97.6	98.2	98.5	98.9	99.0	99.0	99.2	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1500	97.6	98.2	98.5	98.9	99.0	99.0	99.2	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1200	97.6	98.2	98.5	98.9	99.0	99.0	99.2	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1000	97.6	98.2	98.5	98.9	99.1	99.1	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.7
IV 900	97.6	98.2	98.5	98.9	99.1	99.1	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.7
IV 800	97.6	98.2	98.5	98.9	99.1	99.1	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.7
IV 700	97.6	98.2	98.5	98.9	99.1	99.1	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.7
IV 600	97.6	98.2	98.5	98.9	99.1	99.1	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.7
IV 500	97.6	98.2	98.5	98.9	99.1	99.1	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.9	100.0
IV 400	97.6	98.2	98.5	98.9	99.1	99.1	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.9	100.0
IV 300	97.6	98.2	98.5	98.9	99.1	99.1	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.9	100.0
IV 200	97.6	98.2	98.5	98.9	99.1	99.1	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.9	100.0
IV 100	97.6	98.2	98.5	98.9	99.1	99.1	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.9	100.0
IV 0	97.6	98.2	98.5	98.9	99.1	99.1	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 793

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015
STATION

FJRT CARSON CO/BUTTS AAF
STATION NAME

67-75
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 20000	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
IV 18000	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
IV 16000	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
IV 14000	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
IV 12000	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
IV 10000	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 9000	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 8000	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 7000	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 6000	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 5000	94.7	95.0	95.3	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 4500	95.6	95.9	96.2	96.4	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 4000	96.3	97.0	97.3	97.6	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.2	98.2	98.2	98.2	98.2
IV 3500	96.7	97.4	97.7	98.0	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.6	98.7	98.7	98.7	98.7
IV 3000	96.9	97.7	98.0	98.3	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.9	99.0	99.0	99.0	99.0
IV 2500	96.9	97.9	98.2	98.4	98.6	98.6	98.9	98.9	98.9	98.9	98.9	99.0	99.1	99.1	99.1	99.1
IV 2000	97.0	98.2	98.4	98.7	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.3	99.4	99.4	99.4	99.4
IV 1800	97.0	98.2	98.4	98.7	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.3	99.4	99.4	99.4	99.4
IV 1500	97.0	98.2	98.4	98.7	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.3	99.4	99.4	99.4	99.4
IV 1200	97.3	98.4	98.7	99.0	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.6	99.7	99.7	99.7	99.7
IV 1000	97.3	98.6	98.9	99.1	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7
IV 900	97.3	98.6	98.9	99.1	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7
IV 800	97.3	98.6	98.9	99.1	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7
IV 700	97.3	98.6	98.9	99.1	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7
IV 600	97.3	98.6	98.9	99.1	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7
IV 500	97.3	98.6	98.9	99.1	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7
IV 400	97.3	98.6	98.9	99.1	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7
IV 300	97.3	98.6	98.9	99.1	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7
IV 200	97.3	98.6	98.9	99.1	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7
IV 100	97.3	98.6	98.9	99.1	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7
IV 0	97.3	98.6	98.9	99.1	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 703

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

68-75
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 20000	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 18000	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 16000	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
IV 14000	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 12000	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 10000	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 9000	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 8000	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 7000	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 6000	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 5000	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 4500	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 4000	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 3500	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 3000	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 2500	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 2000	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 1800	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 1500	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 1200	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 1000	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 900	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 800	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 700	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 600	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 500	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 400	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 300	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 200	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 100	98.2	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0
IV 0	98.2	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 167

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015
STATION

FORT CARSON CU/BUTTS AAF
STATION NAME

67,69
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 20000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 18000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 16000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 14000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 12000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 10000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 9000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 8000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 7000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 6000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 5000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 4500	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 4000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 3500	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 3000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 2500	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 2000	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 1800	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 1500	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 1200	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 1000	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 900	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 800	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 700	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 600	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 500	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
IV 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 16

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015
STATION

FURT CARSON CO/BUTTS AAF
STATION NAME

67-69-74
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	66.8	67.3	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 20000	67.8	68.2	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 18000	67.8	68.2	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 16000	67.8	68.2	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 14000	68.2	68.7	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 12000	70.6	71.0	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 10000	71.5	72.0	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 9000	71.5	72.0	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 8000	72.0	72.4	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 7000	72.0	72.4	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 6000	73.8	74.3	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 5000	74.3	75.2	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 4500	75.7	76.6	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 4000	76.2	77.1	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
IV 3500	77.1	78.0	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
IV 3000	77.6	78.5	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 2500	79.9	80.8	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 2000	82.7	84.1	84.6	84.6	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 1800	82.7	84.1	84.6	84.6	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 1500	84.1	85.5	86.9	86.9	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 1200	84.1	85.5	86.9	86.9	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 1000	84.6	86.0	87.4	87.4	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
IV 900	85.0	86.4	87.9	87.9	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 800	85.5	86.9	88.3	88.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 700	86.4	87.9	89.3	89.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 600	86.4	87.9	89.3	89.3	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 500	87.4	89.3	90.7	91.1	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 400	87.9	90.2	91.6	92.1	93.9	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 300	87.9	90.2	91.6	92.1	93.9	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 200	87.9	90.2	91.6	92.1	93.9	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 100	87.9	90.2	91.6	92.1	93.9	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 0	87.9	90.2	91.6	92.1	93.9	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4

TOTAL NUMBER OF OBSERVATIONS 214

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015
STATION

FORT CARSON CU/BUTTS AAF
STATION NAME

66-74
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	63.8	64.2	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.5	64.5
≥ 20000	65.7	66.1	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.4	66.4
IV 18000	65.7	66.1	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.4	66.4
IV 16000	65.3	66.2	66.2	66.2	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.5	66.5
IV 14000	66.8	67.2	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.4	67.4
IV 12000	69.2	69.6	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.8	69.8
IV 10000	70.8	71.2	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.4	71.4
IV 9000	70.9	71.3	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.6	71.6
IV 8000	71.0	71.4	71.4	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.7	71.7
IV 7000	72.1	72.5	72.5	72.5	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.8	72.8
IV 6000	73.9	74.3	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.5	74.5
IV 5000	74.8	75.2	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.5	75.5
IV 4500	75.1	75.6	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.9	75.9
IV 4000	76.1	76.7	76.7	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.9	76.9
IV 3500	77.1	77.6	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.9	77.9
IV 3000	77.9	78.4	78.4	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.7	78.7
IV 2500	78.8	79.4	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.6	79.6
IV 2000	81.1	81.6	81.6	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.9	81.9
IV 1800	81.6	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.4	82.4
IV 1500	82.6	83.1	83.2	83.2	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.6	83.6
IV 1200	83.8	84.5	84.6	84.6	84.9	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.3	85.3
IV 1000	84.0	84.7	85.1	85.1	85.5	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.9	85.9
IV 900	84.7	85.4	85.8	85.8	86.3	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.9	87.0	87.0
IV 800	84.7	85.8	86.3	86.3	87.0	87.4	87.7	87.7	87.7	87.7	87.9	87.9	87.9	88.1	88.2	88.2
IV 700	85.8	87.3	87.8	87.9	88.7	89.1	89.7	89.8	89.8	90.1	90.1	90.1	90.1	90.3	90.5	90.6
IV 600	86.1	87.7	88.3	88.5	89.4	89.8	90.3	90.5	90.5	90.8	90.8	90.8	90.8	91.0	91.2	91.3
IV 500	86.7	88.9	89.9	90.3	91.7	92.1	92.6	92.8	92.8	93.0	93.2	93.2	93.2	93.4	93.6	93.7
IV 400	86.7	89.3	90.8	91.2	92.6	93.2	94.0	94.1	94.5	94.8	94.9	94.9	94.9	95.4	95.6	95.7
IV 300	86.9	89.5	91.0	91.4	92.9	93.6	94.6	94.8	95.2	95.6	96.0	96.0	96.0	96.9	97.1	97.2
IV 200	86.9	89.5	91.0	91.4	93.0	93.7	94.8	94.8	95.3	96.0	96.4	96.4	96.4	97.5	97.7	97.9
IV 100	86.9	89.5	91.0	91.4	93.0	93.7	94.8	94.8	95.3	96.1	96.6	96.6	96.6	97.7	98.0	98.3
IV 0	86.9	89.5	91.0	91.4	93.0	93.7	94.8	94.8	95.3	96.1	96.6	96.6	96.6	97.7	98.0	98.3

TOTAL NUMBER OF OBSERVATIONS 746

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

66-74
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	68.9	69.3	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
IV 20000	72.4	72.8	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 18000	72.4	72.8	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 16000	72.6	73.0	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 14000	74.4	74.8	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 12000	76.9	77.2	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
IV 10000	77.8	78.0	78.1	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 9000	77.9	78.3	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
IV 8000	77.9	78.3	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
IV 7000	78.9	79.3	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
IV 6000	80.2	80.7	80.8	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 5000	81.6	82.1	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 4500	82.1	82.6	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 4000	83.0	83.5	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 3500	83.9	84.4	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 3000	85.0	85.5	85.6	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 2500	86.4	87.0	87.3	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
IV 2000	87.7	88.0	88.6	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 1800	87.8	88.7	88.9	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 1500	89.1	90.0	90.2	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 1200	90.4	91.3	91.5	91.8	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 1000	91.3	92.4	92.7	92.9	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 900	91.8	92.9	93.2	93.4	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 800	92.3	94.0	94.2	94.5	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 700	92.5	94.5	94.7	95.1	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 600	93.1	95.1	95.4	95.8	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 500	93.2	95.2	95.6	96.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 400	93.2	95.6	96.0	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 300	93.2	95.6	96.0	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 200	93.2	95.6	96.0	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 100	93.2	95.6	96.0	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 0	93.2	95.6	96.0	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS 778

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

66-74
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 20000	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 18000	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 16000	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 14000	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 12000	78.5	70.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
IV 10000	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 9000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 8000	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 7000	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 6000	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 5000	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 4500	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 4000	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 3500	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 3000	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 2500	95.0	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 2000	95.8	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 1800	95.8	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 1500	96.9	97.4	97.4	97.5	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 1200	97.0	97.5	97.6	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 1000	97.5	98.2	98.3	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 900	97.6	98.4	98.6	98.7	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 800	97.8	98.6	98.7	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 700	97.8	98.6	98.7	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 600	97.8	98.7	98.8	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 500	97.8	98.7	98.8	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 400	97.8	98.7	98.8	99.2	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 300	97.8	98.7	98.8	99.2	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 200	97.8	98.7	98.8	99.2	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 100	97.8	98.7	98.8	99.2	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 0	97.8	98.7	98.8	99.2	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 763

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015
STATION

FURT CARSON CO/BUTTS AAF
STATION NAME

66-74
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 20000	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 18000	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 16000	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 14000	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 12000	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 10000	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IV 9000	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 8000	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
IV 7000	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 6000	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 5000	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 4500	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 4000	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 3500	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 3000	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 2500	96.8	97.1	97.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 2000	97.1	97.4	97.4	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 1800	97.1	97.4	97.4	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 1500	97.9	97.8	97.8	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 1200	97.8	98.1	98.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1000	98.1	98.4	98.4	98.7	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 900	98.1	98.4	98.4	98.7	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 800	98.1	98.4	98.4	98.7	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 700	98.2	98.5	98.5	98.8	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 600	98.2	98.7	98.7	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	98.2	98.7	98.7	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	98.2	98.7	98.7	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	98.2	98.7	98.7	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	98.2	98.7	98.7	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	98.2	98.7	98.7	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	98.2	98.7	98.7	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 685

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

66-74
YEARS

SFP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 20000	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
IV 18000	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
IV 16000	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 14000	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 12000	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 10000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 9000	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 8000	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 7000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 6000	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 5000	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 4500	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 4000	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IV 3500	91.5	91.7	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 3000	92.8	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 2500	93.6	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 2000	95.4	95.5	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 1800	95.8	96.0	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 1500	96.5	96.6	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 1200	97.1	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 1000	97.3	97.8	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 900	97.6	98.2	98.2	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 800	97.6	98.2	98.2	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 700	98.1	98.7	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 600	98.1	98.7	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 500	98.1	98.7	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 400	98.1	98.7	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 300	98.1	98.7	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 200	98.1	98.7	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 100	98.1	98.7	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 0	98.1	98.7	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 626

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

67-69-74
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING ≥ 20000	68.8 71.3	68.8 71.3	68.8 71.3	68.8 71.3	68.8 71.3	68.8 71.3	68.8 71.3	68.8 71.3	68.8 71.3	68.8 71.3	68.8 71.3	68.8 71.3	68.8 71.3	68.8 71.3	68.8 71.3
IV 18000 IV 16000	71.3 72.6	71.3 72.6	71.3 72.6	71.3 72.6	71.3 72.6	71.3 72.6	71.3 72.6	71.3 72.6	71.3 72.6	71.3 72.6	71.3 72.6	71.3 72.6	71.3 72.6	71.3 72.6	71.3 72.6
IV 14000 IV 12000	73.2 77.7	73.2 77.7	73.2 77.7	73.2 77.7	73.2 77.7	73.2 77.7	73.2 77.7	73.2 77.7	73.2 77.7	73.2 77.7	73.2 77.7	73.2 77.7	73.2 77.7	73.2 77.7	73.2 77.7
IV 10000 IV 9000	77.7 78.3	77.7 78.3	77.7 78.3	77.7 78.3	77.7 78.3	77.7 78.3	77.7 78.3	77.7 78.3	77.7 78.3	77.7 78.3	77.7 78.3	77.7 78.3	77.7 78.3	77.7 78.3	77.7 78.3
IV 8000 IV 7000	79.0 80.9	79.0 80.9	79.0 80.9	79.0 80.9	79.0 80.9	79.0 80.9	79.0 80.9	79.0 80.9	79.0 80.9	79.0 80.9	79.0 80.9	79.0 80.9	79.0 80.9	79.0 80.9	79.0 80.9
IV 6000 IV 5000	83.4 84.7	83.4 84.7	83.4 84.7	83.4 84.7	83.4 84.7	83.4 84.7	83.4 84.7	83.4 84.7	83.4 84.7	83.4 84.7	83.4 84.7	83.4 84.7	83.4 84.7	83.4 84.7	83.4 84.7
IV 4500 IV 4000	86.0 86.6	86.0 86.6	86.0 86.6	86.0 86.6	86.0 86.6	86.0 86.6	86.0 86.6	86.0 86.6	86.0 86.6	86.0 86.6	86.0 86.6	86.0 86.6	86.0 86.6	86.0 86.6	86.0 86.6
IV 3500 IV 3000	87.3 89.2	87.3 89.2	87.3 89.2	87.3 89.2	87.3 89.2	87.3 89.2	87.3 89.2	87.3 89.2	87.3 89.2	87.3 89.2	87.3 89.2	87.3 89.2	87.3 89.2	87.3 89.2	87.3 89.2
IV 2500 IV 2000	89.8 91.1	89.8 91.1	89.8 91.1	89.8 91.1	89.8 91.1	89.8 91.1	89.8 91.1	89.8 91.1	89.8 91.1	89.8 91.1	89.8 91.1	89.8 91.1	89.8 91.1	89.8 91.1	89.8 91.1
IV 1800 IV 1500	91.1 91.7	91.1 91.7	91.1 91.7	91.1 91.7	91.1 91.7	91.1 91.7	91.1 91.7	91.1 91.7	91.1 91.7	91.1 91.7	91.1 91.7	91.1 91.7	91.1 91.7	91.1 91.7	91.1 91.7
IV 1200 IV 1000	93.6 94.9	93.6 94.9	93.6 94.9	93.6 94.9	93.6 94.9	93.6 94.9	93.6 94.9	93.6 94.9	93.6 94.9	93.6 94.9	93.6 94.9	93.6 94.9	93.6 94.9	93.6 94.9	93.6 94.9
IV 900 IV 800	96.2 96.2	96.2 96.2	96.2 96.2	96.2 96.2	96.2 96.2	96.2 96.2	96.2 96.2	96.2 96.2	96.2 96.2	96.2 96.2	96.2 96.2	96.2 96.2	96.2 96.2	96.2 96.2	96.2 96.2
IV 700 IV 600	96.8 96.8	96.8 96.8	96.8 96.8	96.8 96.8	96.8 96.8	96.8 96.8	96.8 96.8	96.8 96.8	96.8 96.8	96.8 96.8	96.8 96.8	96.8 96.8	96.8 96.8	96.8 96.8	96.8 96.8
IV 500 IV 400	97.5 97.5	98.7 98.7	98.7 98.7	98.7 98.7	98.7 98.7	98.7 98.7	98.7 98.7	98.7 98.7	98.7 98.7	98.7 98.7	98.7 98.7	98.7 98.7	98.7 98.7	98.7 98.7	99.4 99.4
IV 300 IV 200	97.5 97.5	98.7 98.7	98.7 98.7	98.7 98.7	98.7 98.7	98.7 98.7	98.7 98.7	98.7 98.7	98.7 98.7	98.7 98.7	98.7 98.7	98.7 98.7	98.7 98.7	98.7 98.7	99.4 100.0
IV 100 IV 0	97.5 97.5	98.7 98.7	98.7 98.7	98.7 98.7	98.7 98.7	98.7 98.7	98.7 98.7	98.7 98.7	98.7 98.7	98.7 98.7	98.7 98.7	98.7 98.7	98.7 98.7	98.7 98.7	99.4 100.0

TOTAL NUMBER OF OBSERVATIONS 157

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015
STATION

FORT CARSON CU/BUTTS AAF
STATION NAME

67,69-74
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS(IST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	72.8 74.0	72.8 74.0	72.8 74.0	72.8 74.0	72.8 74.0	72.8 74.0	72.8 74.0	72.8 74.0	72.8 74.0	72.8 74.0	72.8 74.0	72.8 74.0	72.8 74.0	72.8 74.0	72.8 74.0	72.8 74.0
IV 18000 IV 16000	74.0 74.0	74.0 74.0	74.0 74.0	74.0 74.0	74.0 74.0	74.0 74.0	74.0 74.0	74.0 74.0	74.0 74.0	74.0 74.0	74.0 74.0	74.0 74.0	74.0 74.0	74.0 74.0	74.0 74.0	74.0 74.0
IV 14000 IV 12000	75.1 77.5	75.1 77.5	75.1 77.5	75.1 77.5	75.1 77.5	75.1 77.5	75.1 77.5	75.1 77.5	75.1 77.5	75.1 77.5	75.1 77.5	75.1 77.5	75.1 77.5	75.1 77.5	75.1 77.5	75.1 77.5
IV 10000 IV 9000	78.7 79.3	78.7 79.3	78.7 79.3	78.7 79.3	78.7 79.3	78.7 79.3	78.7 79.3	78.7 79.3	78.7 79.3	78.7 79.3	78.7 79.3	78.7 79.3	78.7 79.3	78.7 79.3	78.7 79.3	78.7 79.3
IV 8000 IV 7000	81.1 81.1	81.1 81.1	81.1 81.1	81.1 81.1	81.1 81.1	81.1 81.1	81.1 81.1	81.1 81.1	81.1 81.1	81.1 81.1	81.1 81.1	81.1 81.1	81.1 81.1	81.1 81.1	81.1 81.1	81.1 81.1
IV 6000 IV 5000	81.1 82.8	81.1 82.8	81.1 82.8	81.1 82.8	81.1 82.8	81.1 82.8	81.1 82.8	81.1 82.8	81.1 82.8	81.1 82.8	81.1 82.8	81.1 82.8	81.1 82.8	81.1 82.8	81.1 82.8	81.1 82.8
IV 4500 IV 4000	84.6 85.2	84.6 85.2	84.6 85.2	84.6 85.2	84.6 85.2	84.6 85.2	84.6 85.2	84.6 85.2	84.6 85.2	84.6 85.2	84.6 85.2	84.6 85.2	84.6 85.2	84.6 85.2	84.6 85.2	84.6 85.2
IV 3500 IV 3000	85.2 85.8	85.2 85.8	85.2 85.8	85.2 85.8	85.2 85.8	85.2 85.8	85.2 85.8	85.2 85.8	85.2 85.8	85.2 85.8	85.2 85.8	85.2 85.8	85.2 85.8	85.2 85.8	85.2 85.8	85.2 85.8
IV 2500 IV 2000	87.6 89.3	87.6 89.3	87.6 89.3	87.6 89.3	87.6 89.3	87.6 89.3	87.6 89.3	87.6 89.3	87.6 89.3	87.6 89.3	87.6 89.3	87.6 89.3	87.6 89.3	87.6 89.3	87.6 89.3	87.6 89.3
IV 1800 IV 1500	89.3 89.3	89.3 89.3	89.3 89.3	89.3 89.3	89.3 89.3	89.3 89.3	89.3 89.3	89.3 89.3	89.3 89.3	89.3 89.3	89.3 89.3	89.3 89.3	89.3 89.3	89.3 89.3	89.3 89.3	89.3 89.3
IV 1200 IV 1000	89.9 89.9	89.9 90.5	89.9 90.5	89.9 90.5	89.9 90.5	89.9 90.5	89.9 90.5	89.9 90.5	89.9 90.5	89.9 90.5	89.9 90.5	89.9 90.5	89.9 90.5	89.9 90.5	89.9 90.5	89.9 90.5
IV 900 IV 800	89.9 91.1	90.5 91.7	90.5 92.3	90.5 92.3	91.1 92.9	91.1 92.9	91.7 93.5	91.7 93.5	91.7 93.5	91.7 93.5	91.7 93.5	91.7 93.5	91.7 93.5	91.7 93.5	91.7 93.5	91.7 93.5
IV 700 IV 600	91.1 91.1	91.7 92.3	92.3 92.9	92.3 92.9	93.5 94.1	93.5 94.1	94.1 94.7	94.1 94.7	94.1 94.7	94.1 94.7	94.1 94.7	94.1 94.7	94.1 94.7	94.1 94.7	94.1 94.7	94.1 94.7
IV 500 IV 400	91.1 91.1	92.3 93.5	92.9 94.1	93.5 94.7	94.7 95.9	94.7 95.9	95.3 96.4	95.3 96.4	95.3 96.4	95.3 96.4	95.3 96.4	95.3 96.4	95.3 96.4	95.3 96.4	95.3 96.4	95.3 96.4
IV 300 IV 200	91.1 91.1	93.5 93.5	94.1 94.1	94.7 94.7	95.9 95.9	95.9 95.9	97.0 97.6	97.0 97.6	97.0 97.6	97.0 97.6	97.0 97.6	97.0 97.6	97.0 97.6	97.0 97.6	97.0 97.6	97.0 97.6
IV 100 IV 0	91.1 91.1	93.5 93.5	94.1 94.1	94.7 94.7	95.9 95.9	95.9 95.9	97.6 97.6	97.6 97.6	97.6 97.6	97.6 97.6	97.6 97.6	97.6 97.6	97.6 97.6	97.6 97.6	98.2 98.2	98.2 100.0

TOTAL NUMBER OF OBSERVATIONS 169

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015 FORT CARSON CO/BUTTS AAF

66-74

UCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 20000	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 18000	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 16000	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 14000	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 12000	75.7	75.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 10000	77.5	77.5	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 9000	78.3	78.3	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
IV 8000	79.2	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 7000	80.6	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IV 6000	81.2	81.2	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
IV 5000	82.5	82.5	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 4500	83.4	83.4	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 4000	84.1	84.1	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 3500	84.6	84.6	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 3000	85.2	85.2	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 2500	86.4	86.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 2000	87.0	87.0	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 1800	87.1	87.1	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
IV 1500	87.4	87.4	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 1200	87.9	87.9	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 1000	88.3	88.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 900	88.3	88.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 800	88.4	88.4	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 700	88.7	88.7	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 600	88.8	88.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 500	88.9	88.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 400	88.9	88.9	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 300	88.9	88.9	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 200	88.9	88.9	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 100	88.9	88.9	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 0	88.9	88.9	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5

TOTAL NUMBER OF OBSERVATIONS 778

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015
STATION

FURT CARSON CD/BUTTS AAF
STATION NAME

66-74
YEARS

UCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	63.7	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 20000	70.4	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
IV 18000	70.6	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 16000	70.9	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 14000	72.7	73.0	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 12000	76.3	76.7	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 10000	77.7	78.1	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 9000	78.7	79.1	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 8000	80.0	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 7000	80.7	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 6000	82.2	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 5000	82.6	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 4500	83.0	83.6	83.9	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 4000	83.8	84.5	84.8	84.8	84.8	85.0	85.0	85.0	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 3500	84.7	85.4	85.8	85.8	85.8	85.9	85.9	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 3000	84.8	85.6	85.9	85.9	85.9	86.2	86.2	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 2500	85.3	86.0	86.4	86.4	86.4	86.6	86.6	86.6	86.6	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 2000	86.5	87.2	87.6	87.6	87.6	87.8	87.8	87.8	87.8	88.0	88.0	88.0	88.1	88.1	88.1	88.1
IV 1800	86.6	87.4	87.7	87.7	87.7	88.0	88.0	88.0	88.0	88.1	88.1	88.1	88.2	88.2	88.2	88.2
IV 1500	87.5	88.2	88.8	88.8	88.8	89.2	89.2	89.2	89.2	89.4	89.4	89.4	89.5	89.5	89.5	89.5
IV 1200	88.1	89.0	90.4	90.6	90.6	90.9	90.9	90.9	90.9	91.2	91.2	91.2	91.3	91.3	91.3	91.3
IV 1000	88.2	89.9	91.6	91.8	92.1	92.3	92.4	92.5	92.5	92.9	93.0	93.0	93.1	93.1	93.1	93.1
IV 900	88.2	90.0	91.7	92.1	92.3	92.5	92.7	92.8	92.8	93.1	93.3	93.3	93.4	93.4	93.4	93.4
IV 800	88.3	90.4	92.1	92.8	93.0	93.4	93.5	93.6	93.6	94.0	94.1	94.1	94.2	94.2	94.2	94.2
IV 700	88.7	90.9	92.5	93.3	93.5	93.9	94.3	94.5	94.5	94.8	94.9	94.9	95.1	95.3	95.3	95.3
IV 600	88.8	91.0	92.7	93.6	93.9	94.2	94.7	94.8	94.8	95.2	95.3	95.3	95.4	95.7	95.7	95.7
IV 500	88.8	91.3	93.0	94.0	94.3	94.7	95.3	95.4	95.4	96.0	96.1	96.1	96.3	96.8	96.8	96.8
IV 400	89.0	91.9	93.9	94.8	95.2	95.5	96.4	96.5	96.5	97.2	97.5	97.5	97.6	98.1	98.1	98.1
IV 300	89.0	91.9	93.9	94.8	95.2	95.5	96.4	96.5	96.5	97.2	97.5	97.5	97.6	98.2	98.2	98.4
IV 200	89.0	91.9	93.9	94.8	95.2	95.5	96.4	96.5	96.5	97.2	97.5	97.5	97.6	98.3	98.4	98.7
IV 100	89.0	91.9	93.9	94.8	95.2	95.5	96.4	96.5	96.5	97.2	97.5	97.5	97.6	98.3	98.4	100.0
IV 0	89.0	91.9	93.9	94.8	95.2	95.5	96.4	96.5	96.5	97.2	97.5	97.5	97.6	98.3	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS

831

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

66-74
YEARS

ICT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 20000	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 18000	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 16000	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 14000	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 12000	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 10000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 9000	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 8000	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 7000	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 6000	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 5000	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 4500	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 4000	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 3500	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 3000	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 2500	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 2000	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 1800	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 1500	91.3	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 1200	92.3	92.7	93.1	93.4	93.4	93.4	93.4	93.4	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 1000	92.6	93.1	93.5	94.0	94.1	94.1	94.1	94.1	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 900	92.8	93.4	93.9	94.4	94.5	94.6	94.6	94.6	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 800	93.2	94.0	94.5	95.1	95.5	95.6	95.7	95.7	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 700	93.2	94.1	94.7	95.5	95.9	96.0	96.1	96.1	96.2	96.4	96.4	96.4	96.4	96.5	96.5	96.5
IV 600	93.2	94.2	95.0	95.7	96.1	96.2	96.3	96.5	96.6	96.7	96.7	96.7	96.7	96.9	96.9	96.9
IV 500	93.2	94.2	95.0	95.7	96.2	96.4	96.9	96.9	97.0	97.2	97.2	97.2	97.2	97.4	97.5	97.5
IV 400	93.2	94.2	95.0	95.7	96.2	96.4	96.9	97.0	97.1	97.5	97.5	97.5	97.5	97.7	98.1	98.2
IV 300	93.2	94.2	95.0	95.7	96.2	96.4	96.9	97.0	97.1	97.5	97.5	97.6	98.2	98.6	98.7	98.7
IV 200	93.2	94.2	95.0	95.7	96.2	96.4	96.9	97.0	97.1	97.5	97.5	97.6	98.4	98.7	98.9	99.2
IV 100	93.2	94.2	95.0	95.7	96.2	96.4	96.9	97.0	97.1	97.5	97.5	97.6	98.4	98.7	99.2	100.0
IV 0	93.2	94.2	95.0	95.7	96.2	96.4	96.9	97.0	97.1	97.5	97.5	97.6	98.4	98.7	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 797

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

66-74
YEARS

UCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 20000	67.1	67.1	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
IV 18000	67.8	67.8	67.8	67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
IV 16000	68.3	68.3	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 14000	71.2	71.2	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 12000	76.5	76.5	76.5	76.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 10000	78.7	78.7	78.7	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 9000	79.0	79.0	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
IV 8000	79.4	79.4	79.4	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
IV 7000	81.8	81.8	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 6000	84.9	84.9	85.0	85.0	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 5000	86.7	86.8	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 4500	87.2	87.4	87.5	87.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 4000	88.3	88.5	88.8	88.8	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 3500	89.7	90.0	90.3	90.4	90.7	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 3000	91.1	91.4	91.6	92.0	92.3	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 2500	91.9	92.3	92.6	93.0	93.3	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 2000	92.2	92.7	93.0	93.4	93.7	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 1800	92.2	92.9	93.1	93.6	93.8	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 1500	92.5	93.1	93.4	93.8	94.1	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 1200	92.7	93.6	93.8	94.2	94.7	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 1000	92.9	94.0	94.2	94.7	95.1	95.2	95.5	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 900	92.9	94.1	94.7	95.2	95.6	95.7	96.0	96.0	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 800	92.9	94.2	94.9	95.5	95.9	96.0	96.3	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 700	92.9	94.2	94.9	95.5	95.9	96.0	96.3	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 600	92.9	94.2	94.9	95.5	95.9	96.2	96.4	96.4	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 500	93.0	94.7	95.3	95.9	96.6	96.8	97.1	97.3	97.3	97.7	97.8	97.8	97.8	97.9	97.9	97.9
IV 400	93.1	94.8	95.5	96.0	96.7	97.0	97.3	97.5	97.5	98.4	98.5	98.5	98.5	98.8	99.0	99.0
IV 300	93.1	94.8	95.5	96.0	96.7	97.0	97.3	97.5	97.5	98.4	98.5	98.5	98.5	98.9	99.2	99.3
IV 200	93.1	94.8	95.5	96.0	96.7	97.0	97.3	97.5	97.5	98.5	98.6	98.6	98.6	99.0	99.3	99.5
IV 100	93.1	94.8	95.5	96.0	96.7	97.0	97.3	97.5	97.5	98.5	98.6	98.6	98.6	99.0	99.3	99.5
IV 0	93.1	94.8	95.5	96.0	96.7	97.0	97.3	97.5	97.5	98.5	98.6	98.6	98.6	99.0	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 729

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

94015 FJRT CARSON CO/BUTTS AAF

67-74

11CT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 20000	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
IV 18000	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 16000	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
IV 14000	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 12000	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 10000	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 9000	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
IV 8000	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 7000	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 6000	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 5000	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 4500	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 4000	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 3500	88.9	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 3000	91.0	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 2500	92.8	93.6	93.6	93.6	93.6	93.6	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 2000	93.7	94.7	94.9	94.9	95.0	95.0	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 1800	94.1	95.0	95.2	95.2	95.3	95.3	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 1500	94.1	95.0	95.3	95.3	95.5	95.5	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 1200	94.4	95.3	96.0	96.0	96.1	96.1	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 1000	94.4	95.3	96.0	96.0	96.1	96.1	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 900	94.7	95.7	96.5	96.5	96.8	96.8	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 800	94.9	95.8	96.6	96.8	97.1	97.1	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 700	94.9	96.0	96.8	97.0	97.3	97.3	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 600	94.9	96.3	97.1	97.3	97.6	97.6	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 500	94.9	96.3	97.1	97.3	97.6	97.6	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 400	94.9	96.3	97.3	97.4	97.8	97.8	97.9	98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.4	98.6
IV 300	94.9	96.3	97.3	97.4	97.8	97.8	97.9	98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.6	98.7
IV 200	94.9	96.5	97.4	97.6	97.9	97.9	98.1	98.2	98.2	98.2	98.2	98.4	98.4	98.7	99.0	99.4
IV 100	94.9	96.5	97.4	97.6	97.9	97.9	98.1	98.2	98.2	98.2	98.2	98.4	98.4	98.7	99.0	99.4
IV 0	94.9	96.5	97.4	97.6	97.9	97.9	98.1	98.2	98.2	98.2	98.2	98.4	98.4	98.7	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 623

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

67-74
YEARS

007
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	60.7 62.9	60.7 62.9	60.7 62.9	60.7 62.9	60.7 62.9	60.7 62.9	60.7 62.9	60.7 62.9	60.7 62.9	60.7 62.9	60.7 62.9	60.7 62.9	60.7 62.9	60.7 62.9	60.7 62.9	60.7 62.9
IV 18000 IV 16000	63.5 63.5	63.5 63.5	63.5 63.5	63.5 63.5	63.5 63.5	63.5 63.5	63.5 63.5	63.5 63.5	63.5 63.5	63.5 63.5	63.5 63.5	63.5 63.5	63.5 63.5	63.5 63.5	63.5 63.5	63.5 63.5
IV 14000 IV 12000	64.6 72.5	64.6 72.5	64.6 72.5	64.6 72.5	64.6 72.5	64.6 72.5	64.6 72.5	64.6 72.5	64.6 72.5	64.6 72.5	64.6 72.5	64.6 72.5	64.6 72.5	64.6 72.5	64.6 72.5	64.6 72.5
IV 10000 IV 9000	74.7 75.8	74.7 75.8	74.7 75.8	74.7 75.8	74.7 75.8	74.7 75.8	74.7 75.8	74.7 75.8	74.7 75.8	74.7 75.8	74.7 75.8	74.7 75.8	74.7 75.8	74.7 75.8	74.7 75.8	74.7 75.8
IV 8000 IV 7000	78.1 79.2	78.1 79.2	78.1 79.2	78.1 79.2	78.1 79.2	78.1 79.2	78.1 79.2	78.1 79.2	78.1 79.2	78.1 79.2	78.1 79.2	78.1 79.2	78.1 79.2	78.1 79.2	78.1 79.2	78.1 79.2
IV 6000 IV 5000	79.8 84.3	79.8 84.3	79.8 84.3	79.8 84.3	79.8 84.3	79.8 84.3	79.8 84.3	79.8 84.3	79.8 84.3	79.8 84.3	79.8 84.3	79.8 84.3	79.8 84.3	79.8 84.3	79.8 84.3	79.8 84.3
IV 4500 IV 4000	85.4 86.5	85.4 86.5	85.4 86.5	85.4 86.5	85.4 86.5	85.4 86.5	85.4 86.5	85.4 86.5	85.4 86.5	85.4 86.5	85.4 86.5	85.4 86.5	85.4 86.5	85.4 86.5	85.4 86.5	85.4 86.5
IV 3500 IV 3000	88.8 90.4	88.8 91.0	88.8 91.6	88.8 91.6	88.8 91.6	88.8 91.6	88.8 91.6	88.8 91.6	88.8 91.6	88.8 91.6	88.8 91.6	88.8 91.6	88.8 91.6	88.8 91.6	88.8 91.6	88.8 91.6
IV 2500 IV 2000	91.0 91.6	92.1 92.7	92.7 93.8	92.7 93.8	92.7 93.8	92.7 93.8	92.7 93.8	92.7 93.8	92.7 93.8	92.7 93.8	92.7 93.8	92.7 93.8	92.7 93.8	92.7 93.8	92.7 93.8	92.7 93.8
IV 1800 IV 1500	91.6 92.7	92.7 93.8	94.4 95.5	94.4 95.5	94.4 95.5	94.4 95.5	94.4 95.5	94.4 95.5	94.4 95.5	94.4 95.5	94.4 95.5	94.4 95.5	94.4 95.5	94.4 95.5	94.4 95.5	94.4 95.5
IV 1200 IV 1000	92.7 93.3	93.8 94.4	96.1 96.6	96.1 96.6	96.1 96.6	96.1 96.6	96.1 96.6	96.1 96.6	96.1 96.6	96.1 96.6	96.1 96.6	96.1 96.6	96.1 96.6	96.1 96.6	96.1 96.6	96.1 96.6
IV 900 IV 800	93.3 93.3	94.4 94.4	96.6 96.6	96.6 96.6	96.6 97.2	96.6 97.2	96.6 97.2	96.6 97.2	96.6 97.2	96.6 97.2	96.6 97.2	96.6 97.2	96.6 97.2	96.6 97.2	96.6 97.2	96.6 97.2
IV 700 IV 600	93.3 93.3	94.4 94.4	96.6 96.6	96.6 96.6	97.2 97.2	97.2 97.2	97.2 97.2	97.2 97.2	97.2 97.2	97.2 97.2	97.2 97.2	97.2 97.2	97.2 97.2	97.2 97.2	97.2 97.2	97.2 97.2
IV 500 IV 400	93.3 93.3	94.4 94.4	96.6 96.6	96.6 96.6	97.2 97.2	97.2 97.2	97.2 97.2	97.2 97.2	97.2 97.2	97.2 97.2	97.2 97.2	97.2 97.2	97.2 97.2	97.2 97.2	97.2 97.2	97.2 97.2
IV 300 IV 200	93.3 93.3	94.4 94.4	96.6 96.6	96.6 96.6	97.2 97.2	97.2 97.2	97.2 97.2	97.2 97.2	97.2 97.2	97.2 97.2	97.2 97.2	97.2 97.2	97.2 97.2	97.2 97.2	97.2 97.2	97.2 97.2
IV 100 IV 0	93.3 93.3	94.4 94.4	96.6 96.6	96.6 96.6	97.2 97.2	97.2 97.2	97.2 97.2	97.2 97.2	97.2 97.2	97.2 97.2	97.2 97.2	97.2 97.2	97.2 97.2	97.2 97.2	97.2 97.2	97.2 97.2

TOTAL NUMBER OF OBSERVATIONS 178

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/NAC

CEILING VERSUS VISIBILITY

94015 FJRT CARSON CO/BUTTS AAF

71-72,74

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	60.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 20000	70.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 18000	70.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 16000	70.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 14000	70.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 12000	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 10000	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 9000	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 8000	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 7000	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 6000	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 5000	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4500	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4000	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3500	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3000	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 20

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

66-74
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	65.9	66.1	66.1	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.9
≥ 20000	71.4	71.5	71.5	71.8	71.8	71.8	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.3	72.8
IV 18000	71.5	71.7	71.7	72.0	72.0	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.5	72.9
IV 16000	71.8	72.0	72.0	72.3	72.3	72.3	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.8	73.2
IV 14000	74.4	74.6	74.6	74.9	74.9	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.3	75.8
IV 12000	79.5	79.8	79.8	80.1	80.1	80.1	80.1	80.2	80.2	80.2	80.4	80.4	80.4	80.4	80.7	81.1
IV 10000	81.3	81.6	81.6	81.9	81.9	81.9	81.9	82.0	82.0	82.0	82.2	82.2	82.2	82.2	82.5	83.0
IV 9000	81.3	81.6	81.6	81.9	81.9	81.9	81.9	82.0	82.0	82.0	82.2	82.2	82.2	82.2	82.5	83.0
IV 8000	81.4	81.7	81.7	82.0	82.0	82.0	82.0	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.6	83.1
IV 7000	81.9	82.2	82.3	82.6	82.6	82.6	82.6	82.8	82.8	83.0	83.0	83.0	83.0	83.0	83.3	83.7
IV 6000	82.3	82.6	82.8	83.1	83.1	83.1	83.1	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.7	84.2
IV 5000	83.1	83.4	83.6	84.0	84.0	84.0	84.0	84.2	84.2	84.2	84.3	84.3	84.3	84.3	84.6	85.1
IV 4500	83.1	83.4	83.6	84.0	84.0	84.0	84.0	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.6	85.1
IV 4000	84.2	84.6	84.9	85.4	85.4	85.4	85.4	85.5	85.5	85.7	85.7	85.7	85.7	85.7	86.0	86.5
IV 3500	84.8	85.2	85.5	86.0	86.0	86.0	86.0	86.1	86.1	86.3	86.3	86.3	86.3	86.3	86.6	87.1
IV 3000	85.7	86.3	86.6	87.1	87.1	87.1	87.1	87.2	87.2	87.4	87.4	87.4	87.4	87.4	87.7	88.1
IV 2500	85.8	86.5	86.8	87.4	87.4	87.4	87.5	87.7	87.8	88.0	88.0	88.0	88.0	88.0	88.3	88.7
IV 2000	86.5	87.4	87.8	88.4	88.4	88.4	88.6	88.9	89.0	89.2	89.2	89.2	89.2	89.2	89.5	90.0
IV 1800	86.5	87.4	87.8	88.4	88.4	88.4	88.6	88.9	89.0	89.2	89.2	89.2	89.2	89.2	89.5	90.0
IV 1500	87.2	88.1	88.6	89.2	89.2	89.2	89.3	89.6	89.8	90.0	90.0	90.0	90.0	90.0	90.3	90.7
IV 1200	87.8	88.7	89.2	89.8	89.8	89.8	90.0	90.3	90.4	90.6	90.6	90.6	90.6	90.6	90.9	91.3
IV 1000	87.8	88.7	89.2	89.8	89.8	89.8	90.1	90.4	90.6	90.7	90.7	90.7	90.7	90.7	91.0	91.5
IV 900	88.1	89.0	89.5	90.1	90.3	90.3	90.6	90.9	91.0	91.2	91.2	91.2	91.2	91.2	91.5	91.9
IV 800	88.4	89.6	90.1	90.7	90.9	90.9	91.2	91.5	91.6	91.8	91.8	91.8	91.8	91.8	92.1	92.5
IV 700	88.4	90.0	90.4	91.3	91.5	91.5	92.1	92.4	92.5	92.7	92.7	92.7	92.7	92.7	93.0	93.6
IV 600	88.6	90.1	90.6	91.5	91.9	91.9	92.5	92.9	93.0	93.2	93.2	93.2	93.2	93.2	93.5	94.5
IV 500	88.6	90.1	90.6	91.5	91.9	91.9	93.0	93.3	93.5	93.6	93.6	93.6	93.6	93.6	94.1	95.1
IV 400	88.7	90.3	90.7	91.6	92.2	92.2	93.5	93.8	93.9	94.1	94.1	94.1	94.1	94.1	94.8	96.2
IV 300	88.7	90.3	90.7	91.6	92.5	92.5	93.8	94.1	94.2	94.5	94.5	94.5	94.5	94.5	95.0	97.7
IV 200	88.7	90.3	90.7	91.6	92.5	92.5	93.8	94.1	94.2	94.5	94.5	94.5	94.5	94.5	95.0	98.3
≥ 100	88.7	90.3	90.7	91.6	92.5	92.5	93.8	94.1	94.2	94.5	94.5	94.5	94.5	94.5	95.1	99.4
≥ 0	88.7	90.3	90.7	91.6	92.5	92.5	93.8	94.1	94.2	94.5	94.5	94.5	94.5	94.5	95.1	100.0

TOTAL NUMBER OF OBSERVATIONS 657

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015
STATION

FORT CARSON CI/BUITS AAF
STATION NAME

66-74
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	63.2	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 20000	71.0	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 18000	71.8	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
IV 16000	72.1	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 14000	76.4	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 12000	80.9	81.8	81.9	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 10000	81.8	82.7	82.9	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV 9000	81.8	82.9	83.1	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 8000	81.8	82.9	83.1	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 7000	82.3	83.4	83.5	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 6000	82.9	83.9	84.2	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 5000	83.9	85.1	85.3	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 4500	84.3	85.5	85.7	85.8	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 4000	84.7	85.8	86.1	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 3500	85.1	86.2	86.5	86.6	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 3000	86.2	87.4	87.7	87.9	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 2500	86.5	87.7	87.9	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 2000	86.0	88.2	88.4	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 1800	87.3	88.7	89.0	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 1500	87.3	88.7	89.1	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 1200	87.8	89.4	89.7	90.0	90.4	90.4	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 1000	88.3	90.0	90.5	90.8	91.3	91.3	91.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 900	88.6	90.3	90.8	91.0	91.7	91.8	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 800	88.6	90.5	91.2	91.4	92.2	92.3	92.7	92.9	92.9	92.9	92.9	93.0	93.0	93.1	93.1	93.1
IV 700	88.8	90.9	91.6	91.8	92.9	93.0	93.4	93.5	93.5	93.5	93.6	93.8	93.8	93.9	93.9	93.9
IV 600	89.1	91.2	92.1	92.3	93.8	93.9	94.4	94.5	94.5	94.5	94.7	94.9	94.9	95.1	95.2	95.3
IV 500	89.2	91.4	92.5	93.1	94.5	94.8	95.3	95.7	95.7	95.7	96.0	96.2	96.4	96.9	97.5	97.7
IV 400	89.2	91.4	92.5	93.1	94.5	94.8	95.5	95.8	95.8	96.1	96.5	96.5	96.6	97.1	97.9	98.3
IV 300	89.2	91.4	92.5	93.2	94.8	95.1	95.7	96.1	96.1	96.8	97.3	97.4	97.9	98.8	99.0	99.4
IV 200	89.2	91.4	92.5	93.2	94.8	95.1	95.7	96.1	96.1	96.8	97.4	97.5	98.2	99.1	99.2	99.9
IV 100	89.2	91.4	92.5	93.2	94.8	95.1	95.7	96.1	96.1	96.8	97.4	97.5	98.2	99.2	99.4	100.0
IV 0	89.2	91.4	92.5	93.2	94.8	95.1	95.7	96.1	96.1	96.8	97.4	97.5	98.2	99.2	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS

770

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015
STATION

FURT CARSON CO/BUTTS AAF
STATION NAME

66-74
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 20000	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 18000	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 16000	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 14000	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 12000	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 10000	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 9000	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 8000	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 7000	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 6000	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 5000	87.3	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 4500	87.3	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 4000	88.3	88.4	88.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 3500	88.8	88.9	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 3000	89.5	89.7	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 2500	90.7	90.8	90.9	91.2	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 2000	90.3	90.8	91.2	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 1800	90.7	91.2	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 1500	90.8	91.7	92.1	92.4	92.7	92.7	92.7	92.7	92.8	92.8	92.8	93.1	93.1	93.1	93.1	93.1
IV 1200	91.1	92.3	92.7	93.2	93.5	93.6	93.6	93.7	93.7	93.7	93.7	94.0	94.0	94.0	94.0	94.0
IV 1000	91.6	92.9	93.5	94.1	94.4	94.7	94.7	94.8	94.8	94.8	94.8	95.1	95.1	95.2	95.2	95.2
IV 900	91.7	93.2	93.7	94.5	95.1	95.3	95.3	95.5	95.5	95.5	95.6	95.9	95.9	96.0	96.0	96.0
IV 800	91.7	93.2	93.9	94.8	95.3	95.6	95.7	95.9	95.9	95.9	96.0	96.3	96.3	96.4	96.4	96.4
IV 700	91.7	93.2	93.9	94.8	95.5	95.7	95.9	96.0	96.0	96.0	96.3	96.5	96.8	96.9	96.9	96.9
IV 600	91.9	93.5	94.1	95.2	95.9	96.1	96.2	96.4	96.4	96.4	96.7	97.1	97.3	97.9	97.9	97.9
IV 500	92.4	94.3	94.9	96.0	96.9	97.2	97.3	97.5	97.5	97.5	97.7	98.3	98.5	99.1	99.2	99.2
IV 400	92.4	94.3	94.9	96.0	96.9	97.2	97.3	97.5	97.5	97.5	97.7	98.4	98.7	99.2	99.3	99.3
IV 300	92.4	94.3	94.9	96.0	96.9	97.2	97.3	97.5	97.5	97.5	97.7	98.4	98.8	99.3	99.6	99.7
IV 200	92.4	94.3	94.9	96.0	96.9	97.2	97.3	97.5	97.5	97.5	97.7	98.4	98.8	99.3	99.6	99.7
IV 100	92.4	94.3	94.9	96.0	96.9	97.2	97.3	97.5	97.5	97.5	97.7	98.4	98.8	99.3	99.6	99.7
IV 0	92.4	94.3	94.9	96.0	96.9	97.2	97.3	97.5	97.5	97.5	97.7	98.4	98.8	99.3	99.6	99.7

TOTAL NUMBER OF OBSERVATIONS 750

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

66-74
YEARS

NDV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 20000	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
IV 18000	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
IV 16000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 14000	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 12000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 10000	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 9000	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 8000	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 7000	82.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 6000	84.1	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 5000	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 4500	87.4	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
IV 4000	88.6	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 3500	89.4	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 3000	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 2500	90.9	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 2000	91.9	93.1	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 1800	92.1	93.3	93.4	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 1500	92.2	93.4	93.6	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.2	94.3	94.3	94.3	94.3
IV 1200	92.7	94.3	94.6	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.2	95.5	95.5	95.5	95.5
IV 1000	93.6	95.4	95.9	96.0	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.9	97.2	97.2	97.2	97.2
IV 900	93.6	95.4	96.0	96.6	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.5	97.8	97.8	97.8	97.8
IV 800	93.7	95.7	96.3	96.9	97.5	97.5	97.6	97.8	97.8	97.8	97.8	97.9	98.2	98.2	98.2	98.2
IV 700	93.9	95.8	96.4	97.0	97.6	97.6	97.8	97.9	97.9	97.9	97.9	98.1	98.5	98.5	98.5	98.5
IV 600	93.9	96.0	96.6	97.2	97.8	97.8	97.9	98.1	98.1	98.1	98.1	98.2	98.7	98.7	98.7	98.7
IV 500	93.9	96.0	96.7	97.3	97.9	97.9	98.1	98.2	98.2	98.2	98.2	98.4	99.0	99.4	99.4	99.4
IV 400	93.9	96.0	96.7	97.3	97.9	97.9	98.1	98.2	98.2	98.2	98.2	98.4	99.0	99.4	99.6	99.6
IV 300	93.9	96.0	96.7	97.3	97.9	97.9	98.1	98.2	98.2	98.2	98.2	98.4	99.0	99.4	99.6	99.9
IV 200	93.9	96.0	96.7	97.3	97.9	97.9	98.1	98.2	98.2	98.2	98.2	98.4	99.0	99.4	99.6	99.9
IV 100	93.9	96.0	96.7	97.3	97.9	97.9	98.1	98.2	98.2	98.2	98.2	98.4	99.0	99.4	99.6	100.0
IV 0	93.9	96.0	96.7	97.3	97.9	97.9	98.1	98.2	98.2	98.2	98.2	98.4	99.0	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 667

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015 FORT CARSON CO/BUTTS AAF

67-74

NIV

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	66.1	66.1	66.1
≥ 20000	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.5	72.5	72.5
IV 18000	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.7	72.7	72.7
IV 16000	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	73.0	73.0	73.0
IV 14000	73.8	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.2	74.2	74.2
IV 12000	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	79.0	79.0	79.0
IV 10000	80.1	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.5	80.5	80.5
IV 9000	80.1	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.5	80.5	80.5
IV 8000	80.3	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.7	80.7	80.7
IV 7000	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.8	81.8	81.8
IV 6000	82.2	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.8	82.8	82.8
IV 5000	83.7	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.3	84.3	84.3
IV 4500	85.0	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.6	85.6	85.6
IV 4000	87.8	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.4	88.4	88.4
IV 3500	89.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.5	89.5	89.5
IV 3000	89.1	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.7	89.7	89.7
IV 2500	89.9	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.4	90.4	90.4
IV 2000	90.8	91.2	91.2	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.6	91.6	91.6
IV 1800	91.4	91.8	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	92.1	92.1	92.1
IV 1500	92.9	93.3	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	94.0	94.0	94.0
IV 1200	93.8	94.4	94.4	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	95.0	95.0	95.0
IV 1000	94.2	95.5	95.7	95.9	96.1	96.3	96.3	96.3	96.3	96.4	96.4	96.4	96.4	96.8	96.8	96.8
IV 900	94.2	95.5	95.7	95.9	96.1	96.3	96.3	96.3	96.3	96.4	96.4	96.4	96.4	96.8	96.8	96.8
IV 800	94.2	95.5	95.7	96.1	96.3	96.4	96.4	96.4	96.4	96.6	96.6	96.6	96.6	97.0	97.0	97.0
IV 700	94.2	95.7	95.9	96.3	96.6	96.8	96.8	96.8	96.8	97.0	97.0	97.0	97.0	97.4	97.4	97.4
IV 600	94.2	96.1	96.3	96.6	97.4	97.6	97.6	97.6	97.6	97.8	97.8	97.8	97.8	98.2	98.2	98.2
IV 500	94.2	96.3	96.4	96.8	97.6	97.8	97.8	97.8	97.8	97.9	97.9	97.9	97.9	98.3	98.3	98.3
IV 400	94.2	96.3	96.4	96.8	97.6	97.8	97.8	97.8	97.8	97.9	97.9	97.9	97.9	98.3	98.3	98.3
IV 300	94.2	96.3	96.4	96.8	97.6	97.8	97.8	97.8	97.8	97.9	97.9	97.9	97.9	98.3	98.3	98.3
IV 200	94.2	96.3	96.4	96.8	97.6	97.8	97.8	97.8	97.8	97.9	97.9	97.9	97.9	98.3	98.3	98.3
IV 100	94.2	96.3	96.4	96.8	97.6	97.8	97.8	97.8	97.8	97.9	97.9	97.9	97.9	98.3	98.3	98.3
IV 0	94.2	96.3	96.4	96.8	97.6	97.8	97.8	97.8	97.8	97.9	97.9	97.9	97.9	98.3	98.3	98.3

TOTAL NUMBER OF OBSERVATIONS 534

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

67-74
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 20000	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 18000	72.6	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 16000	73.2	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 14000	73.2	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 12000	75.8	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 10000	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 9000	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 8000	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 7000	79.0	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
IV 6000	79.3	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 5000	82.2	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 4500	82.5	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV 4000	84.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 3500	86.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 3000	87.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 2500	88.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
IV 2000	89.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 1800	89.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 1500	89.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 1200	90.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 1000	91.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 900	92.0	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 800	92.4	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 700	92.4	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 600	92.7	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 500	92.7	95.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 400	92.7	95.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 300	92.7	95.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 200	92.7	95.5	96.5	96.5	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 100	92.7	95.5	96.5	96.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 0	92.7	95.5	96.5	96.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8

TOTAL NUMBER OF OBSERVATIONS 314

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015
STATION

FORT CARSON CU/BUTTS AAF
STATION NAME

66-71, 73-74
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	67.3	67.3	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 20000	72.1	72.1	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 18000	72.3	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 16000	72.9	72.9	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 14000	74.4	74.4	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 12000	77.6	77.6	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 10000	80.2	80.2	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 9000	80.9	80.9	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 8000	81.5	81.5	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 7000	82.8	82.8	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 6000	83.8	84.1	84.6	84.6	84.6	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 5000	84.8	85.1	85.6	85.6	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 4500	85.4	85.7	86.2	86.2	86.2	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 4000	86.2	86.5	87.0	87.0	87.0	87.0	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.4
IV 3500	86.5	86.9	87.4	87.5	87.5	87.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8
IV 3000	87.4	87.7	88.2	88.3	88.3	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.7
IV 2500	87.4	87.7	88.2	88.3	88.3	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.7
IV 2000	88.2	88.5	89.3	89.5	89.6	89.6	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.1
IV 1800	88.2	88.5	89.3	89.5	89.6	89.6	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.1
IV 1500	89.0	89.3	90.1	90.3	90.8	90.8	91.1	91.1	91.1	91.1	91.4	91.4	91.4	91.4	91.4	91.6
IV 1200	89.1	90.0	90.8	90.9	91.4	91.4	91.7	91.7	91.7	91.7	92.1	92.1	92.1	92.1	92.1	92.2
IV 1000	89.3	90.1	91.1	91.2	91.9	91.9	92.2	92.2	92.2	92.2	92.5	92.9	92.9	92.9	92.9	93.0
IV 900	89.3	90.1	91.1	91.2	91.9	91.9	92.2	92.2	92.2	92.2	92.5	92.9	92.9	92.9	93.0	93.2
IV 800	89.5	90.3	91.4	91.6	92.2	92.5	92.9	92.9	92.9	92.9	93.5	93.8	93.8	94.2	94.2	94.3
IV 700	89.5	90.3	91.6	91.7	92.4	92.7	93.0	93.0	93.0	93.0	93.7	94.0	94.0	94.3	94.3	94.5
IV 600	89.5	90.4	91.7	91.9	92.7	93.0	93.4	93.7	93.7	93.7	94.3	94.7	94.7	95.2	95.3	95.5
IV 500	89.8	90.9	92.7	92.9	93.7	94.0	94.3	94.7	94.7	94.7	95.3	95.8	95.8	96.6	96.6	96.8
IV 400	89.8	90.9	92.7	92.9	93.7	94.0	94.3	94.8	94.8	94.8	95.6	96.1	96.1	96.9	96.9	97.2
IV 300	90.1	91.2	93.0	93.2	94.0	94.3	94.7	95.1	95.1	95.9	96.6	96.6	96.6	97.6	97.7	98.2
IV 200	90.3	91.4	93.2	93.4	94.2	94.5	94.8	95.3	95.3	96.1	96.8	96.8	96.8	97.9	98.1	98.7
IV 100	90.3	91.4	93.2	93.4	94.2	94.5	94.8	95.3	95.3	96.1	96.8	96.8	96.8	97.9	98.1	98.7
IV 0	90.3	91.4	93.2	93.4	94.2	94.5	94.8	95.3	95.3	96.1	96.8	96.8	96.8	97.9	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS

617

USAF ETAC

FORM
XII 64

0-14-5(OLA) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

66-71,73-74
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	64.5	65.1	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 20000	72.6	73.4	73.5	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 18000	72.6	73.4	73.5	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 16000	73.1	73.8	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV 14000	74.4	75.1	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IV 12000	78.9	80.0	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 10000	82.6	83.9	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 9000	82.9	84.2	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 8000	82.9	84.2	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 7000	83.1	84.5	84.7	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 6000	84.4	85.8	86.0	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 5000	85.2	86.8	87.0	87.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 4500	85.2	86.8	87.0	87.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 4000	85.5	87.1	87.3	87.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8	88.0	88.0
IV 3500	86.1	87.7	87.8	87.8	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.4	88.6	88.6
IV 3000	86.5	88.1	88.3	88.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.9	89.0	89.0
IV 2500	87.0	88.6	88.9	88.9	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.6	89.7	89.7
IV 2000	87.6	89.3	89.6	89.6	90.0	90.2	90.4	90.4	90.6	90.6	90.6	90.6	90.6	90.7	90.9	90.9
IV 1800	87.6	89.3	89.6	89.6	90.0	90.2	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.7	90.9	90.9
IV 1500	88.4	90.4	91.3	91.3	91.9	92.0	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.6	92.8	92.8
IV 1200	88.4	90.4	91.3	91.3	92.0	92.2	92.5	92.6	92.6	93.1	93.1	93.1	93.2	93.3	93.3	93.3
IV 1000	88.4	90.9	91.8	91.8	92.6	93.1	93.3	93.8	93.8	94.5	94.5	94.5	94.6	94.9	95.1	95.1
IV 900	88.4	90.9	91.8	91.8	92.6	93.1	93.3	93.8	93.8	94.5	94.5	94.5	94.6	94.9	95.1	95.1
IV 800	88.7	91.2	92.0	92.2	93.2	93.6	94.4	94.5	94.5	95.4	95.4	95.4	95.5	95.8	95.9	95.9
IV 700	88.7	91.2	92.0	92.3	93.3	93.9	94.5	94.8	94.8	95.7	95.8	95.8	95.8	96.1	96.2	96.2
IV 600	88.7	91.2	92.0	92.3	93.3	94.1	94.9	95.2	95.2	96.1	96.2	96.2	96.2	96.7	96.8	96.8
IV 500	89.0	91.5	92.3	92.6	93.6	94.4	95.2	95.5	95.5	96.5	97.1	97.1	97.1	97.5	97.8	97.8
IV 400	89.1	91.6	92.5	92.8	93.8	94.5	95.4	95.8	95.8	97.3	97.8	97.8	97.8	98.4	98.8	98.8
IV 300	89.1	91.6	92.5	92.8	93.8	94.5	95.4	95.8	95.8	97.3	97.8	97.8	97.8	98.4	98.8	98.8
IV 200	89.1	91.6	92.5	92.8	93.8	94.5	95.4	95.8	95.8	97.3	97.8	97.8	97.8	98.4	98.8	98.8
IV 100	89.1	91.6	92.5	92.8	93.8	94.5	95.4	95.8	95.8	97.3	97.8	97.8	97.8	98.4	98.8	98.8
IV 0	89.1	91.6	92.5	92.8	93.8	94.5	95.4	95.8	95.8	97.3	97.8	97.8	97.8	98.4	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 691

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015
STATION

FJRT CARSON CU/BUTTS AAF
STATION NAME

66-71.73-74
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	63.2	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 20000	73.4	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 18000	73.6	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV 16000	73.9	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 14000	75.8	76.1	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 12000	80.3	80.8	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 10000	83.8	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 9000	84.7	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 8000	85.1	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 7000	86.0	86.6	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 6000	87.3	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 5000	88.8	89.6	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 4500	89.2	89.9	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 4000	89.6	90.7	91.5	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 3500	89.9	91.0	91.8	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 3000	90.4	91.5	92.3	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 2500	91.0	92.1	92.9	92.9	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 2000	91.0	92.1	92.9	92.9	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 1800	91.4	92.5	93.2	93.2	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 1500	91.7	92.9	93.7	93.7	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 1200	91.8	93.1	94.2	94.2	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 1000	91.8	93.1	94.5	94.7	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.4	95.4	95.4
IV 900	91.8	93.1	94.5	94.8	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.6	95.6	95.6	95.6
IV 800	91.8	93.1	94.5	95.0	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.9	96.1	96.1	96.1
IV 700	91.8	93.1	94.5	95.3	95.9	95.9	95.9	95.9	95.9	95.9	96.1	96.1	96.5	96.7	96.7	96.7
IV 600	91.8	93.2	94.7	95.6	96.2	96.2	96.5	96.5	96.5	96.9	97.0	97.0	97.5	97.8	97.8	97.8
IV 500	91.8	93.2	94.7	95.8	96.4	96.4	96.7	96.7	96.7	97.0	97.2	97.2	97.6	98.0	98.0	98.0
IV 400	91.8	93.2	94.7	95.0	96.4	96.4	96.7	96.7	96.7	97.5	97.6	97.6	98.4	99.1	99.1	99.4
IV 300	91.8	93.2	94.7	95.8	96.4	96.4	96.7	96.7	96.7	97.5	97.8	97.8	98.9	99.5	99.5	99.8
IV 200	91.8	93.2	94.7	95.8	96.4	96.5	96.9	96.9	96.9	97.6	98.0	98.0	99.1	99.7	99.7	100.0
IV 100	91.8	93.2	94.7	95.8	96.4	96.5	96.9	96.9	96.9	97.6	98.0	98.0	99.1	99.7	99.7	100.0
IV 0	91.8	93.2	94.7	95.8	96.4	96.5	96.9	96.9	96.9	97.6	98.0	98.0	99.1	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 636

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/AFAC

CEILING VERSUS VISIBILITY

94015
STATION

FORT CARSON CU/BUTTS AAF
STATION NAME

66-71,73-74
YEARS

DFC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 20000	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 18000	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 16000	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 14000	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 12000	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
IV 10000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 9000	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 8000	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 7000	85.0	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 6000	87.3	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 5000	89.0	89.4	89.5	89.5	89.5	89.5	89.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 4500	89.9	90.2	90.4	90.4	90.4	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 4000	90.6	91.1	91.5	91.5	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 3500	91.1	91.6	92.0	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 3000	91.1	91.6	92.2	92.3	92.3	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 2500	91.3	91.8	92.3	92.5	92.5	92.7	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 2000	91.8	92.3	92.9	93.0	93.2	93.4	93.7	93.9	93.9	94.1	94.4	94.4	94.4	94.4	94.4	94.4
IV 1800	91.8	92.3	92.9	93.0	93.2	93.4	93.7	93.9	93.9	94.1	94.4	94.4	94.4	94.4	94.4	94.4
IV 1500	91.8	92.3	92.9	93.0	93.2	93.4	93.7	94.1	94.1	94.3	94.6	94.6	94.6	94.6	94.6	94.6
IV 1200	91.8	92.3	93.2	93.4	93.6	93.7	94.1	94.4	94.4	94.6	94.9	94.9	94.9	94.9	94.9	94.9
IV 1000	91.8	92.5	93.4	93.7	94.1	94.3	94.6	94.9	94.9	95.1	95.5	95.5	95.5	95.5	95.5	95.5
IV 900	91.8	92.5	93.4	93.7	94.1	94.3	94.6	94.9	94.9	95.5	95.8	95.8	95.8	95.8	95.8	95.8
IV 800	91.8	92.5	93.4	94.3	94.6	94.8	95.1	95.5	95.5	96.2	96.5	96.5	96.5	96.7	96.7	96.7
IV 700	91.8	92.7	93.6	94.4	94.9	95.1	95.5	95.8	95.8	96.7	97.2	97.2	97.2	97.4	97.4	97.4
IV 600	91.8	92.9	93.7	94.6	95.3	95.5	96.0	96.3	96.3	97.2	97.7	97.7	98.1	98.3	98.3	98.3
IV 500	92.0	93.0	93.9	94.8	95.5	95.6	96.2	96.5	96.5	97.6	98.1	98.1	98.4	98.6	98.6	98.6
IV 400	92.0	93.0	93.9	94.8	95.5	95.6	96.2	96.5	96.5	97.6	98.4	98.4	99.3	99.7	99.8	99.8
IV 300	92.0	93.0	93.9	94.8	95.5	95.6	96.2	96.5	96.5	97.6	98.4	98.4	99.5	99.8	100.0	100.0
IV 200	92.0	93.0	93.9	94.8	95.5	95.6	96.2	96.5	96.5	97.6	98.4	98.4	99.5	99.8	100.0	100.0
IV 100	92.0	93.0	93.9	94.8	95.5	95.6	96.2	96.5	96.5	97.6	98.4	98.4	99.5	99.8	100.0	100.0
IV 0	92.0	93.0	93.9	94.8	95.5	95.6	96.2	96.5	96.5	97.6	98.4	98.4	99.5	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 574

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015
STATION

FURT CARSON CO/BUTTS AAF
STATION NAME

67-71, 73-74
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 20000	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 18000	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 16000	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 14000	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 12000	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 10000	81.0	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 9000	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IV 8000	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IV 7000	82.1	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 6000	83.3	83.5	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 5000	84.6	84.8	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 4500	85.5	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 4000	85.9	86.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 3500	85.9	86.3	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 3000	86.5	87.0	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 2500	86.5	87.0	87.6	87.8	88.0	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 2000	87.4	88.2	89.1	89.3	89.5	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 1800	87.8	88.7	89.5	89.7	90.0	90.4	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 1500	87.8	88.7	89.5	89.7	90.0	90.4	90.8	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 1200	88.5	89.3	90.2	90.4	90.6	91.0	91.5	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 1000	88.5	89.5	90.4	90.8	91.7	92.1	92.5	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 900	88.5	89.7	90.6	91.0	91.9	92.3	92.7	93.2	93.2	93.2	93.2	93.6	93.6	93.6	93.6	93.6
IV 800	88.5	89.7	90.6	91.2	92.1	92.5	93.2	93.6	93.6	93.6	93.6	94.0	94.2	94.2	94.4	94.4
IV 700	88.7	90.0	91.0	91.7	92.5	92.9	93.6	94.0	94.0	94.0	94.0	95.1	95.3	95.3	95.5	95.5
IV 600	88.7	90.2	91.5	92.1	93.2	93.6	94.2	94.9	94.9	94.9	94.9	95.9	96.2	96.2	96.4	96.4
IV 500	88.7	90.2	91.5	92.1	93.2	93.6	94.2	94.9	94.9	95.3	95.3	96.4	96.6	96.8	97.2	97.2
IV 400	88.7	90.2	91.5	92.1	93.2	93.6	94.2	94.9	94.9	95.3	95.3	96.6	96.8	97.0	97.4	97.6
IV 300	88.7	90.4	91.7	92.3	93.4	93.8	94.4	95.1	95.1	95.5	95.5	96.8	97.0	97.4	97.9	98.1
IV 200	88.7	90.4	91.7	92.3	93.4	93.8	94.4	95.1	95.1	95.5	95.5	96.8	97.0	97.9	98.3	99.4
IV 100	88.7	90.4	91.7	92.3	93.4	93.8	94.4	95.1	95.1	95.5	95.5	96.8	97.0	97.9	98.3	99.4
IV 0	88.7	90.4	91.7	92.3	93.4	93.8	94.4	95.1	95.1	95.5	95.5	96.8	97.0	97.9	98.3	99.4

TOTAL NUMBER OF OBSERVATIONS 468

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

67-71, 73-74
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 20000	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 18000	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 16000	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 14000	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 12000	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 10000	82.9	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 9000	83.7	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 8000	83.7	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 7000	84.9	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 6000	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 5000	86.8	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 4500	87.2	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 4000	88.4	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 3500	88.4	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 3000	88.8	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 2500	88.8	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 2000	89.5	89.9	90.3	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 1800	89.5	89.9	90.3	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 1500	89.9	90.3	90.7	90.7	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 1200	89.9	90.3	90.7	90.7	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 1000	89.9	90.7	91.1	91.1	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 900	89.9	90.7	91.1	91.1	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 800	89.9	90.7	91.1	91.1	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 700	90.3	91.1	91.5	91.5	93.8	93.8	94.2	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 600	90.3	91.5	91.9	91.9	94.2	94.2	94.6	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 500	90.3	91.5	91.9	91.9	94.2	94.2	94.6	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 400	90.3	91.5	91.9	91.9	94.2	94.2	94.6	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 300	90.3	91.5	91.9	91.9	94.2	94.2	94.6	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 200	90.3	91.5	91.9	91.9	94.2	94.2	94.6	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 100	90.3	91.5	91.9	91.9	94.2	94.2	94.6	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 0	90.3	91.5	91.9	91.9	94.2	94.2	94.6	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3

TOTAL NUMBER OF OBSERVATIONS 258

SKY COVER SUMMARY

The individual increments formerly reported in total sky cover of airways observations are no longer available from the source data from Jan 71 and later. Increments reported after 1970 are clear, scattered, broken, overcast, partial obscuration and obscured (0, 3, 9, or 10). Therefore, the sky cover summary for this station is limited to the period through Dec 70.

PART D

SKY COVER

This summary is prepared from hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: # 1: Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: # 2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

94015 FORT CARSON CO/BUTTS AAF

66-70

ALL

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	21.1	3.4	6.4	6.5	5.8	3.3	7.3	7.8	10.1	5.7	22.7	5.3	1530
FEB		18.5	5.0	5.6	5.6	5.1	3.1	6.5	6.6	7.6	6.6	30.0	5.7	1417
MAR		13.5	4.9	4.8	6.3	4.7	3.7	5.2	6.6	6.5	6.1	32.9	5.8	1559
APR		29.5	4.5	6.0	6.0	4.0	3.4	3.2	4.9	5.8	6.6	26.2	4.9	1508
MAY		13.3	4.7	5.0	7.3	5.7	3.7	5.2	6.1	9.0	8.0	31.5	6.2	1685
JUN		14.0	6.9	8.8	9.7	6.3	6.9	5.9	7.6	6.3	7.0	20.6	5.2	1679
JUL		10.6	6.6	7.1	8.0	5.8	5.2	8.5	9.6	9.1	10.4	19.1	5.7	1767
AUG		11.8	6.8	7.5	5.6	4.8	4.5	8.0	12.5	6.1	6.6	26.1	5.8	1810
SEP		29.8	7.2	7.9	7.8	4.4	4.9	5.6	5.3	4.7	3.4	19.1	4.2	1920
OCT		29.0	5.9	5.7	4.4	4.2	5.0	4.0	5.0	6.8	6.2	23.7	4.8	2067
NOV		26.9	6.9	6.1	5.2	4.1	3.5	6.3	5.9	6.8	5.4	23.0	4.8	1824
DEC		27.5	5.2	6.9	7.0	4.4	3.9	4.7	6.4	7.5	5.8	20.8	4.7	1836
TOTALS		20.9	5.7	6.3	6.6	4.9	4.3	5.9	7.0	7.2	6.5	24.6	5.3	20604

USAFETAC

FORM
JUL 64

0-9-5 (OL'A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

94015 FORT CARSON CO/BUTTS AAF

67-70

JAN

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JAN	-02													
	03-05													
	06-08	23.3	5.0	6.0	8.2	6.8	1.0	6.1	7.2	11.5	5.0	18.3	4.9	279
	09-11	18.1	3.4	4.0	5.7	4.0	3.7	6.0	6.9	9.5	6.0	30.2	5.9	348
	12-14	16.4	1.5	5.4	4.2	3.0	1.2	6.8	10.1	15.2	8.3	28.0	6.3	336
	15-17	11.0	3.3	3.7	3.7	5.7	5.0	6.0	9.7	12.0	9.4	30.4	6.0	299
	18-20	28.5	2.2	4.3	5.9	8.6	5.9	10.8	8.1	7.5	2.7	15.0	4.5	186
	21-23	29.3	4.9	12.4	11.0	6.1	2.4	7.3	4.7	4.9	2.4	13.4	3.7	82
TOTALS		21.1	3.4	6.4	6.5	5.8	3.3	7.5	7.0	10.1	5.7	22.7	5.3	1530

USAFETAC

FORM
JUL 64 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

94015 FORT CARSON CD/BUTTS AAF

67-70

FEB

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOT'L NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
FEB	00-02													
	03-05													
	06-08	21.9	3.1	2.0	7.8	3.9	3.1	7.4	7.4	6.3	6.0	23.4	5.2	256
	09-11	21.9	6.5	5.0	4.3	3.7	1.9	5.2	6.5	5.2	8.6	30.6	5.6	324
	12-14	17.0	5.8	4.5	6.1	4.5	3.2	6.1	3.5	7.1	9.0	33.3	6.0	312
	15-17	13.9	4.7	3.3	5.5	3.3	4.4	3.3	8.8	7.7	6.9	38.3	6.5	274
	18-20	16.7	2.3	7.5	3.4	3.4	4.6	6.3	8.0	8.6	5.7	33.3	6.1	174
	21-23	19.5	7.8	3.9	6.5	11.7	1.3	10.4	5.2	10.4	2.6	20.8	5.0	77
TOTALS		18.5	5.0	5.6	5.6	5.1	3.1	6.5	6.6	7.6	6.6	30.0	5.7	1417

USAFETAC

FORM
JUL 64 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

94015 FORT CARSON CO/BUTTS AAF

67-70

MAR

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
MAR	00-02													
	03-05													
	06-08	27.0	4.0	4.3	2.9	4.0	1.8	4.0	4.3	6.1	7.9	33.8	5.6	278
	09-11	16.7	6.5	4.8	5.4	5.1	4.0	2.8	9.0	5.9	7.1	32.8	5.7	354
	12-14	10.4	5.8	7.0	4.0	5.5	4.1	4.9	7.5	7.2	7.8	34.2	6.3	345
	15-17	11.0	2.9	3.9	6.5	4.9	4.5	5.8	7.1	10.1	7.5	35.7	6.0	308
	18-20	16.4	4.2	5.3	6.3	5.3	4.2	6.3	6.9	8.5	4.8	31.7	5.9	189
	21-23	29.4	5.9	2.4	11.8	3.5	3.5	7.1	4.7	1.2	1.2	29.4	4.7	85
TOTALS		18.5	4.9	4.8	6.3	4.7	3.7	5.2	6.6	6.5	6.1	32.9	5.8	1559

USAFETAC

FORM
JUL 64 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

94015 FORT CARSON CO/BUTTS AAF

67-70

APR

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
APR	00-02													
	03-05	75.0										25.0	2.5	4
	06-08	30.5	6.5	6.1	6.9	2.3	2.3	4.2	7.3	5.3	2.7	26.0	4.6	202
	09-11	23.8	9.7	6.5	5.9	4.4	2.6	3.2	5.3	5.0	7.3	26.4	5.0	341
	12-14	11.3	5.8	6.1	10.3	5.2	5.2	5.2	7.6	10.9	8.8	23.3	5.8	330
	15-17	9.0	3.7	9.0	7.4	6.4	5.7	3.0	6.0	7.7	11.4	30.8	6.3	299
	18-20	21.4	4.6	6.1	6.1	5.6	5.6	1.5	4.1	6.1	9.2	29.6	5.5	196
	21-23	35.5	1.3	7.9	5.3	3.9	2.6	5.3	3.9	5.3	6.6	22.4	4.5	76
TOTALS		29.6	4.5	6.0	6.0	4.0	3.4	3.2	4.9	5.8	6.0	26.2	4.9	1508

USAFETAC

FORM
JUL 64

0-9-5 (OL A)

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DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

94015 FORT CARSON CO/BUTTS AAF

67-70

MAY

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
MAY	00-02													
	03-05	15.7	7.8	5.9	5.9	2.0	5.9	7.8	3.9	9.8	2.0	33.3	5.8	51
	06-08	24.5	6.7	5.8	5.5	2.8	2.4	3.4	4.9	5.2	5.2	33.6	5.4	327
	09-11	17.3	5.4	6.2	7.5	5.9	4.6	4.6	5.4	8.4	6.7	26.0	5.6	371
	12-14	5.4	4.0	5.1	7.3	7.3	4.0	6.7	9.1	7.5	12.9	30.6	6.7	372
	15-17	3.5	2.1	2.1	5.0	7.0	2.4	4.2	8.0	11.9	14.7	38.5	7.6	286
	18-20	6.6	1.9	4.7	4.3	4.7	1.6	5.0	11.2	9.3	9.3	41.5	7.3	258
	21-23	20.0	5.0	5.0	15.0	10.0	5.0	5.0		15.0	5.0	15.0	4.7	20
TOTALS		13.3	4.7	5.0	7.3	5.7	3.7	5.2	6.1	9.6	8.0	31.5	6.2	1685

SKY COVER

67-70

JUN

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JUN	00-02													
	03-05	20.8	7.5	11.3	9.4	1.9	1.9	1.9	11.3	7.5	5.7	20.8	4.8	57
	06-08	23.5	12.2	8.5	3.7	4.9	2.4	5.8	5.8	5.8	7.9	19.5	4.6	328
	09-11	10.7	13.6	10.8	8.9	7.8	5.8	3.9	4.7	5.8	5.0	16.9	4.4	360
	12-14	6.4	3.9	8.9	10.3	10.3	8.3	8.9	9.2	6.7	7.5	19.7	5.7	300
	15-17	4.1	2.7	6.5	10.5	9.2	5.1	6.8	9.9	8.2	9.2	25.9	6.3	294
	18-20	8.0	4.2	4.6	11.8	5.3	6.9	9.2	7.6	5.7	9.2	27.5	6.2	262
	21-23	18.2	4.5	9.1	13.0	4.5	18.2	4.5	4.5	4.5	4.5	13.6	4.5	22
TOTALS		14.0	6.9	8.8	9.7	6.3	6.9	5.9	7.6	6.1	7.0	20.6	5.2	1679

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

94015 FORT CARSON CO/BUTTS AAF

67-70

JUL

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JUL	00-02													
	03-05	16.0	6.7	12.0	9.3	5.3	6.7	4.0	8.0	6.7	8.0	17.3	4.9	75
	06-08	24.7	11.4	7.5	6.3	4.8	4.2	5.1	6.6	6.3	8.1	14.8	4.3	332
	09-11	19.6	8.9	11.3	10.5	6.2	5.4	7.8	8.1	7.3	4.3	10.8	4.2	372
	12-14	3.5	4.0	3.8	9.4	9.9	11.6	6.1	14.0	12.6	11.0	12.1	6.0	372
	15-17	1.9	2.9	1.6	5.5	6.5	5.5	5.8	10.3	16.1	20.0	23.9	7.3	310
	18-20	1.9	3.4	4.6	5.7	5.7	2.7	8.0	6.5	12.6	14.9	34.0	7.3	262
	21-23	6.8	9.1	9.1	9.1	2.3		20.5	13.6	2.3	6.8	20.5	5.7	44
TOTALS		10.6	6.6	7.1	8.0	5.8	5.2	8.5	9.6	9.1	10.4	19.1	5.7	1767

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FORM
JUL 64 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

94015 FORT CARSON CO/BUTTS AAF

67-70

AUG

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
AUG	00-02							16.7	33.3			50.0	8.3	6
	03-05	20.5	9.6	12.0	8.4	4.8	1.2	4.8	8.4	2.4		27.7	4.7	83
	06-08	26.7	10.3	8.4	5.3	3.5	3.5	4.4	4.7	5.9	8.2	19.4	4.5	341
	09-11	22.0	12.9	10.5	7.3	6.7	4.6	3.5	3.8	5.1	6.7	16.9	4.2	372
	12-14	5.4	5.9	10.2	10.2	7.8	7.8	8.1	9.9	11.0	7.5	16.1	5.6	372
	15-17	4.7	3.4	4.7	5.3	5.6	6.6	6.9	11.0	12.9	13.8	25.1	6.8	319
	18-20	6.6	8.1	3.7	3.7	3.3	3.7	6.3	11.4	8.9	10.3	33.9	6.8	271
	21-23	8.7	4.3	8.7	4.3	6.5	8.7	13.0	17.4	2.2	6.5	19.6	5.8	46
TOTALS		11.8	6.8	7.3	5.6	4.8	4.5	8.0	12.5	6.1	6.6	26.1	5.8	1810

SKY COVER

60-70

S & P

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
SEP	00-02	25.0		12.5	12.5			6.3	6.3			37.5	5.2	16
	03-05	47.2	4.5	4.5	7.9	5.6	4.5	3.4	1.1	2.2	1.1	18.0	3.2	89
	06-08	33.0	9.3	6.8	7.9	3.4	2.5	3.4	4.5	3.7	2.0	23.7	4.1	355
	09-11	29.9	12.2	8.2	5.7	5.7	5.2	3.5	5.7	5.2	4.0	16.7	3.9	402
	12-14	17.0	10.9	11.1	9.4	4.8	6.1	8.4	6.6	9.1	5.1	11.6	4.4	395
	15-17	15.0	8.5	8.2	7.6	7.4	6.2	9.7	10.0	8.8	5.3	13.2	4.9	340
	18-20	28.6	6.3	5.9	7.8	4.8	5.6	6.3	6.7	5.2	3.7	19.0	4.4	269
	21-23	42.0	5.6	5.6	3.7	3.7	9.3	3.7	3.7	3.7	5.6	13.0	3.5	54
TOTALS		29.8	7.2	7.9	7.8	4.4	4.9	5.6	5.3	4.7	3.4	19.1	4.2	1920

SKY COVER

66-79

NOT

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
OCT	00-02													
	03-05	51.5	6.1	6.1	6.1	3.0	3.0	1.5		3.0	3.0	10.7	2.9	66
	06-08	31.8	8.6	6.7	4.4	3.4	2.5	3.2	5.4	8.1	5.7	20.2	4.4	406
	09-11	28.0	7.0	5.6	5.8	4.9	4.5	2.5	5.6	5.8	5.4	24.9	4.8	446
	12-14	20.6	7.4	6.7	5.8	5.8	6.0	3.2	6.3	10.6	6.3	21.3	5.1	432
	15-17	19.1	6.1	6.1	2.1	2.9	4.5	6.6	10.6	10.1	10.6	21.0	5.6	376
	18-20	24.4	2.9	2.5	6.8	6.1	8.2	7.5	5.7	5.4	5.7	24.7	5.2	279
	21-23	27.4	3.2	6.5		3.2	6.5	3.2	1.6	4.6	6.5	37.1	5.6	62
TOTALS		29.0	5.9	5.7	4.4	4.2	5.0	4.0	5.0	6.8	6.2	23.7	4.8	2067

SKY COVER

66-70

134

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAY	00-02													
	03-05													
	06-08	29.0	5.9	5.9	6.9	5.3	3.1	7.5	5.9	4.1	6.9	19.0	4.5	321
	09-11	24.0	5.0	6.0	6.2	3.6	3.4	6.2	8.2	11.0	6.7	19.7	5.1	417
	12-14	20.4	7.4	6.6	5.2	4.2	4.7	6.9	6.9	7.4	8.4	22.1	5.2	407
	15-17	19.7	5.8	5.8	6.1	3.5	4.9	4.9	5.5	11.3	5.8	26.7	5.5	345
	18-20	34.2	5.3	8.8	3.1	1.3	1.3	6.6	5.3	4.4	2.6	27.2	4.5	228
	21-23	34.3	12.0	3.7	3.7	6.5	3.7	5.6	3.7	1.9	1.9	23.1	4.0	108
TOTALS		26.9	6.9	6.1	5.2	4.1	3.3	6.3	5.9	6.2	5.4	23.0	4.8	1826

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

94015 FORT CARSON CU/BUTTS AAF

66-70

DEC

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
DEC	00-02													
	03-05													
	06-08	24.9	5.2	10.9	4.6	6.6	2.6	6.6	4.9	7.2	4.6	22.1	4.7	349
	09-11	22.5	5.1	5.1	7.9	4.6	3.7	2.3	7.2	10.0	9.3	22.3	5.3	431
	12-14	19.5	6.4	6.9	5.4	3.8	3.6	5.6	8.2	10.8	8.2	21.5	5.4	390
	15-17	20.5	4.7	6.2	6.5	3.0	5.3	5.3	8.6	11.3	7.4	21.1	5.4	337
	18-20	33.8	6.3	4.5	9.9	6.3	3.2	4.5	5.0	2.7	1.8	22.1	4.1	222
	21-23	43.9	3.7	7.5	7.5	1.9	4.7	3.7	4.7	2.8	3.7	15.9	3.4	107
TOTALS		27.5	5.2	6.9	7.0	4.4	3.9	4.7	6.4	7.5	5.8	20.8	4.7	1836

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E

PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperatures
 - b. Daily minimum temperatures
 - c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature

NOTE: The following symbols are used in the extreme data blocks:

- (1) * indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

- a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σ_x). The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.

5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

DAILY TEMPERATURES

66-75

STATION

STATION NAME

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MAXIMUM

[illegible]

USAFETAC FORM 0-21.5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

DAILY TEMPERATURES

94015 FORT CARSON CO/BUTTS AAF

66-75

STATION

STATION NAME

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MEAN

TEMP (°F)	JAN.	FEB	MAR	APR.	MAY	JUN	JUL	AUG.	SEP	OCT.	NOV.	DEC.	ANNUAL
85						.8	1.1						.2
80						4.9	7.7	3.6					1.4
75					1.8	17.3	38.8	31.2	3.2				8.0
70				.8	7.3	42.1	76.2	65.2	19.0	.7			18.1
65			.7	3.5	22.3	71.4	92.7	90.7	42.3	9.2			28.4
60	.4		4.4	10.9	45.8	87.6	97.8	98.2	70.8	28.2	3.1		38.1
55	1.9	1.6	13.0	27.5	66.3	94.0	98.9	98.6	83.4	44.0	10.2	.8	45.8
50	8.0	5.7	21.9	47.7	83.5	97.7	100.0	99.6	90.9	61.9	27.9	5.4	54.7
45	20.2	18.0	38.1	65.9	93.8	99.2		100.0	95.7	77.7	40.4	15.9	64.5
40	35.1	38.9	56.3	81.8	98.9	100.0			99.2	86.4	58.0	30.2	74.3
35	50.8	60.2	71.9	90.7	100.0				99.6	94.5	72.9	43.8	82.4
30	66.4	75.8	81.9	95.7					100.0	97.8	89.4	62.4	89.3
25	73.7	89.3	89.6	98.1						98.2	94.5	74.8	93.3
20	83.6	96.3	96.3	100.0						100.0	98.4	88.4	97.0
15	88.9	98.4	98.9								100.0	91.9	98.2
10	92.4	99.6	100.0									96.3	99.1
5	96.6	100.0										98.4	99.6
0	100.0											99.2	99.9
-5												99.6	100.0
-10												100.0	100.0
MEAN	32.8	36.2	40.4	48.2	58.0	67.7	72.7	71.4	62.2	52.0	41.4	32.4	51.3
S D	13.396	9.132	11.543	9.722	8.210	7.652	5.568	5.358	8.363	10.517	10.043	11.690	17.200
TOTAL OBS	262	244	270	258	273	266	277	279	253	273	255	258	3164

DATA PROCESSING BRANCH
USAF/ETAC/OL A
AIR WEATHER SERVICE/MAC

EXTREME VALUES MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

94015 FORT CARSON CO/BUTTS AAF
STATION STATION NAME

66-75
YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
66									** 85	* 77	** 69	** 62	
67	** 63	* 64	** 75	** 74	# 88	# 85	# 92	# 91	# 84	# 83	** 71	# 62	# 92
68	# 64	# 60	# 72	# 78	# 80	# 94	# 94	# 90	# 85	# 80	# 69	** 63	# 94
69	** 66	# 61	# 71	# 78	# 88	# 90	# 95	# 98	# 85	# 79	** 68	** 64	# 98
70	** 64	# 67	# 65	# 74	# 86	# 94	# 96	# 94	# 88	# 79	# 73	** 68	# 96
71	** 70	# 62	# 79	# 76	# 80	# 97	# 98	# 89	# 90	# 78	** 74	** 64	# 98
72	** 60	* 70	* 74	* 78	* 82	* 85	* 95	# 92	* 90	# 80	** 59	** 58	* 95
73	* 60	# 62	# 67	# 74	# 81	# 93	# 99	# 93	# 87	# 80	# 74	# 71	# 99
74	# 72	# 65	# 74	# 81	# 90	# 96	# 96	# 92	# 89	# 82	# 74	** 64	# 96
75	# 63	66	70	80	82	94	93	95					
MEAN	64.7	64.1	71.9	77.0	84.1	92.0	95.3	92.7	87.0	79.8	70.1	64.0	96.0
S.D.	4.093	3.219	4.256	2.646	3.887	4.416	2.236	2.739	2.343	1.856	4.807	3.708	2.330
TOTAL OBS.	262	244	270	258	273	265	273	279	253	273	255	258	3164

NOTES * (BASED ON < FULL MONTHS)

(AT LEAST ONE DAY < 24 OBS)

USAF ETAC FORM 0-88-3 (OLA)

EXTREME VALUES

(FROM DAILY OBSERVATIONS)

94015	FORT CARSON CO/BUTTS AAF
STATION	STATION NAME

66-75

YEARS

WHOLE DEGREES FAHRENHEIT

[illegible]

NOTES * (BASED ON 2 FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

(AT LEAST ONE DAY < 24 OBS)

MESSING BRANCH
C
HER SERVICE/MAC

PSYCHROMETRIC SUMMARY

FOR CARSON C/1/BUTTS AA? 66-75 YEARS ALL MONTH ALL HOURS (L. S. T.)
ION STATION NAME PAGE 1

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point
100/ 99																	.0	1	1	
98/ 97																	.0	18	18	
96/ 95																	.1	34	34	
94/ 93																	.2	93	93	
92/ 91										.0	.0	.0	.0	.0	.0	.1	.2	176	176	
90/ 89										.0	.0	.0	.0	.1	.1	.2	.4	344	344	
88/ 87										.0	.0	.0	.1	.2	.2	.2	.3	482	482	
86/ 85										.0	.1	.1	.3	.3	.3	.2	.1	679	679	
84/ 83								.0	.0	.1	.1	.2	.4	.3	.3	.2	.1	789	789	
82/ 81						.0	.0	.0	.1	.1	.2	.4	.3	.3	.2	.1	.1	903	903	
80/ 79								.1	.2	.2	.4	.4	.4	.3	.1	.1	.0	1093	1093	
78/ 77							.1	.1	.2	.3	.4	.4	.4	.3	.1	.0	.0	1160	1161	
76/ 75				.0	.0	.0	.2	.3	.4	.5	.5	.4	.4	.2	.1	.0	.0	1417	1421	
74/ 73					.0	.1	.2	.3	.4	.5	.5	.4	.4	.2	.1	.1	.0	1417	1423	1
72/ 71			.0	.0	.0	.1	.3	.4	.5	.4	.4	.3	.2	.1	.1	.0	.0	1420	1422	8
70/ 69		.0	.0	.0	.1	.4	.4	.4	.5	.4	.4	.3	.3	.1	.1	.0	.0	1549	1554	8
68/ 67		.0	.0	.1	.2	.4	.3	.5	.4	.4	.3	.3	.2	.1	.0	.0		1507	1515	47
66/ 65		.0	.1	.2	.4	.4	.4	.4	.4	.4	.4	.3	.1	.0	.0	.0		1573	1579	266
64/ 63		.0	.1	.2	.4	.4	.4	.5	.3	.4	.4	.3	.1	.0	.0			1606	1671	762
62/ 61		.0	.1	.2	.4	.4	.4	.4	.4	.5	.3	.2	.0					1667	1672	1401
60/ 59	.0	.2	.2	.3	.4	.4	.4	.4	.6	.5	.4	.1	.0					1772	1784	2258
58/ 57	.0	.2	.2	.3	.4	.4	.4	.5	.6	.5	.4	.0	.0					1665	1669	2600
56/ 55	.0	.2	.2	.3	.4	.4	.4	.5	.5	.4	.1	.0						1574	1577	2696
54/ 53	.0	.2	.2	.3	.4	.4	.5	.6	.5	.3	.1	.0						1536	1540	2375
52/ 51	.0	.2	.2	.3	.4	.4	.6	.6	.4	.2	.0							1563	1566	2237
50/ 49	.0	.2	.2	.4	.4	.5	.6	.6	.6	.3	.1							1459	1466	2219
48/ 47	.0	.2	.2	.3	.4	.5	.6	.7	.5	.2	.0							1563	1571	1816
46/ 45	.0	.2	.4	.4	.4	.5	.7	.4	.1	.0								1688	1690	1975
44/ 43	.0	.2	.4	.5	.6	.7	.6	.1	.0									1419	1426	2173
42/ 41	.0	.2	.3	.5	.6	.8	.4	.1	.0									1374	1378	2188
40/ 39	.1	.3	.4	.5	.9	.6	.2	.0										1462	1464	2366
38/ 37	.1	.3	.6	.7	.7	.4	.1	.0										1369	1374	2193
36/ 35	.1	.3	.7	.7	.7	.3	.0	.0										1318	1320	2256
34/ 33	.2	.5	.6	.8	.5	.1	.0											1232	1246	2263
Element (X)	Σ X ²		Σ X		Σ		Σ		Σ		No. Obs.		Mean No. of Hour with Temperature						Total	
Ref. Hum.													≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F		
Dry Bulb																				
Wet Bulb																				
Dew Point																				

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94015 FJRT CARSON CO/BUTTS AAF

66-75

ALL
MONTH

PAGE 2

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
32/ 31	.2	.6	.7	.0	.3	.1	.0											1126	1133	2340	1613		
30/ 29	.2	.7	.7	.7	.2	.0												1177	1184	1876	2195		
28/ 27	.2	.7	.7	.5	.1	.0												1014	1019	1749	2187		
26/ 25	.2	.7	.9	.3	.0													869	877	1403	2289		
24/ 23	.2	.6	.5	.1	.0													637	647	1144	2126		
22/ 21	.2	.5	.3	.1														507	515	399	2235		
20/ 19	.2	.5	.3	.0														447	445	662	2458		
18/ 17	.1	.4	.2	.0														340	340	499	1981		
16/ 15	.1	.4	.1	.0														234	290	383	1888		
14/ 13	.1	.2	.1															199	204	317	1502		
12/ 11	.1	.2	.0															168	172	191	1466		
10/ 9	.1	.3	.0															204	208	206	1493		
8/ 7	.0	.2	.0															129	131	143	911		
6/ 5	.0	.1	.0															76	77	120	585		
4/ 3	.0	.1																59	61	74	513		
2/ 1	.0	.1																54	56	65	232		
0/ -1	.0	.0																42	42	64	261		
-2/ -3	.0	.0																32	32	32	121		
-4/ -5	.0	.0																19	19	19	128		
-6/ -7	.0	.0																14	14	17	155		
-8/ -9	.0																	13	13	15	93		
-10/-11	.0																	1	1	1	57		
-12/-13																					28		
-14/-15																					26		
-16/-17																					11		
-18/-19																					5		
-20/-21																					3		
-22/-23																					1		
-24/-25																					1		
-26/-27																					1		
TOTAL	2.7	9.9	9.5	9.5	9.2	9.1	8.3	7.8	7.2	6.0	5.3	4.4	3.6	2.6	1.9	1.2	1.6	46387	46587	46386			
																		46387	46387				
Element (X)	ΣX ²		ΣX		X̄		σ _x		No. Obs.		Mean No. of Hours with Temperature										Total		
Rel. Hum.	121972074		2133232		46.022.684		46386				≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F					Total		
Dry Bulb	149646111		2482155		53.319.325		46587				23.8	1458.1	2382.9	1560.8	727.6	26.3					8760		
Wet Bulb	89174445		1935735		41.713.454		46387				29.2	2393.4	11.6	.2									8760
Dew Point	50262032		1364460		29.414.775		46386				180.6	5216.0	.9									8760	

USAFETAC FORM 0-26.5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

67-75

JAN
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL																											
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb		Dew Point																											
72/ 71											.0			.0				2	2																													
70/ 69										.0	.1	.1						6	6																													
68/ 67								.1		.1		.1						6	6																													
66/ 65									.0	.0	.1	.1	.1					9	9																													
64/ 63								.1		.2	.2	.1	.1					27	27																													
62/ 61							.0	.0	.2	.3	.3	.1	.1					39	39																													
60/ 59						.1	.1	.2	.3	.5	.3	.1						59	59																													
58/ 57						.1	.1	.2	.4	.4	.3	.0						54	54																													
56/ 55						.1	.2	.4	.5	.2	.1							59	59																													
54/ 53					.0	.1	.5	1.0	.6	.5	.2	.0						115	115	2																												
52/ 51					.0	.4	1.0	1.1	.5	.2	.0							126	126	3																												
50/ 49				.0	.3	.4	1.0	.5	.4	.0								101	101	11																												
48/ 47			.0	.0	.3	1.2	1.3	.9	.3									151	151	18																												
46/ 45				.3	.6	1.5	1.4	.8	.2									184	184	43																												
44/ 43			.0	.3	.9	1.4	1.1	.4										153	153	75																												
42/ 41			.0	.9	1.2	1.9	.6	.2										173	173	114																												
40/ 39		.0	.3	1.1	2.1	1.0	.4	.1										198	198	187																												
38/ 37		.2	.8	1.2	1.5	1.0	.2											187	187	216																												
36/ 35	.0	.4	.9	1.3	1.4	.2	.1	.0										180	180	272																												
34/ 33	.1	.5	.9	2.1	1.1	.2	.1											158	188	314																												
32/ 31	.2	.7	1.4	1.7	.0	.2	.1											189	189	301																												
30/ 29	.2	1.6	2.0	1.9	.6	.2												248	248	283																												
28/ 27	.4	1.3	2.3	1.1	.4													208	208	344																												
26/ 25	.5	1.2	1.6	.9	.1													177	177	287																												
24/ 23	.3	1.0	1.1	.4	.0													105	105	223																												
22/ 21	.2	1.1	1.1	.3														113	114	192																												
20/ 19	.4	1.2	.9	.2														103	103	136																												
18/ 17	.5	.8	.7	.0														75	75	108																												
16/ 15	.4	1.4	.4	.0														79	79	114																												
14/ 13	.5	.9	.4															72	72	97																												
12/ 11	.7	.8	.3															67	67	64																												
10/ 9	.7	1.5	.3															95	98	84																												
8/ 7	.3	1.7	.2															83	85	81																												
6/ 5	.2	.8	.1															38	39	27																												
Element (X)	Σ X ²				Σ X				X̄				s _x				No. Obs.				Mean No. of Hours with Temperature																											
Rel. Hum.																					≤ 0 F				≤ 32 F				≥ 67 F				≥ 73 F				≥ 80 F				≥ 93 F				Total			
Dry Bulb																																																
Wet Bulb																																																
Dew Point																																																

PSYCHROMETRIC SUMMARY¹

YEARS

PAGE 2

[illegible]

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/4AC

PSYCHROMETRIC SUMMARY

94015 FORT CARSON CO/BUTTS AAF
STATION STATION NAME

7-75

YEARS

FEB
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
70/ 69																.1	.0		4	4					
68/ 67														.0	.0				2	2					
66/ 65											.1	.0	.1	.1	.1				11	11					
64/ 63											.2	.1	.2	.1					25	25					
62/ 61											.2	.4	.3	.1					37	37					
60/ 59							.0	.1	.1	.4	.4	.4	.0						56	56					
58/ 57							.0	.2	.4	.2	.4	.2	.0						62	62					
56/ 55						.1	.1	.1	1.1	1.1	.5	.1							101	101					
54/ 53						.1	.1	.9	1.4	.9	.3	.3							128	128					
52/ 51						.2	.2	1.2	.9	.3	.1								113	113					
50/ 49					.1	.4	1.0	1.4	1.3	.2									151	151					
48/ 47			.0	.0	.2	.5	1.7	1.0	.0	.1									179	179	4				
46/ 45				.0	.4	1.2	1.9	1.5	.5										170	170	12				
44/ 43		.0		.2	.8	1.7	1.8	.2	.1										174	174	48				
42/ 41			.2	.8	1.4	2.2	1.1	.1											202	202	88				
40/ 39		.1	.3	.7	1.9	1.0	.6	.1											189	189	195				
38/ 37		.0	.6	1.2	1.8	1.4	.2	.0											188	188	255				
36/ 35		.2	.9	1.7	2.4	.3	.1												214	214	316				
34/ 33	.1	.4	1.1	2.1	1.8	.4	.0												203	203	366				
32/ 31	.1	.7	1.0	1.5	1.1	.2													184	184	406				
30/ 29	.2	1.0	1.9	1.9	.5	.1													195	196	308				
28/ 27	.4	1.3	1.7	1.5	.3														160	180	336				
26/ 25	.6	1.6	1.7	.7	.1														151	153	267				
24/ 23	.8	1.3	1.4	.4	.1														116	116	220				
22/ 21	.5	1.4	1.4	.1															107	108	165				
20/ 19	.4	1.2	.3	.1															82	82	148				
18/ 17	.6	1.4	.5	.0															79	79	105				
16/ 15	.4	1.2	.2	.1															65	68	89				
14/ 13	.3	.3	.3																32	34	65				
12/ 11	.2	.3	.0																16	17	34				
10/ 9		.3	.1																16	16	13				
8/ 7		.1																	5	5	10				
6/ 5	.0	.1																	6	6	8				
4/ 3																					5				
Element (X)	ΣX^2		ΣX		\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature						Total								
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OL A) JUL 64

PSYCHROMETRIC SUMMARY

07-75

FEB
MONTH

YEARS

PAGE 2

ALL

HOURS (L. S. T.)

[illegible]

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94015 FORT CARSON CO/BUTTS AAF

07-75

MAR
MONTH

YEARS

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13	14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet b. p.	Dew Point					
80/ 79																.1						2	2			
78/ 77																.0						1	1			
76/ 75														.0		.1	.0					4	4			
74/ 73												.0		.0		.2	.2	.1				27	27			
72/ 71												.0	.1	.2	.2	.2	.2	.1				32	33			
70/ 69												.1	.2	.5	.2	.2	.0	.1				55	55			
68/ 67											.0	.2	.4	.3	.2	.1	.0					44	45			
66/ 65											.1	.5	.4	.4	.2	.1	.0					67	67			
64/ 63										.0	.2	.6	1.0	.4		.1	.1					91	91			
62/ 61									.1	.1	.1	1.0	.0	.7								100	100			
60/ 59								.2	.8	.8	1.1	.3	.1									127	127			
58/ 57						.1	.1	.5	1.1	1.2	.8	.2										163	163			
56/ 55						.2	.4	1.0	1.1	.9	.3											150	150			
54/ 53					.1	.2	.6	1.3	1.3	.9	.1											174	174	1		
52/ 51					.1	.4	.9	1.4	.0	.3	.0											152	152	4		
50/ 49				.0	.1	.7	.9	1.2	.5	.1												136	137	10		
48/ 47				.1	.0	1.0	1.3	1.0	.6	.1												188	188	57		
46/ 45			.1	.2	.6	1.8	1.4	.9	.3													211	211	107		
44/ 43	.1		.1	.4	.8	1.0	.8	.2	.1													158	158	200	1	
42/ 41	.1	.2	.3	.8	1.3	1.2	.5	.1														177	177	303	1	
40/ 39	.1	.4	1.0	1.6	1.1	.6																192	192	374	3	
38/ 37	.2	1.4	1.8	1.3	.5	.1																195	195	235	14	
36/ 35	.5	1.5	1.2	1.1	.2	.0																197	197	351	32	
34/ 33	.1	1.2	1.2	1.5	.9	.1	.0															198	199	347	56	
32/ 31	.2	1.4	1.4	.8	.4	.1																168	168	386	83	
30/ 29	.3	1.3	1.3	1.4	.2	.1																141	181	288	229	
28/ 27	.6	1.6	1.4	.7	.1	.0																173	173	280	284	
26/ 25	.6	1.7	1.1	.5																		161	161	231	319	
24/ 23	.7	1.4	.9	.2																		123	123	200	337	
22/ 21	.5	1.2	.5	.1																		95	95	162	378	
20/ 19	.0	1.0	.4																			77	77	117	414	
18/ 17	.2	1.0	.2	.0																		54	54	70	330	
16/ 15	.4	.9	.2																			47	47	57	327	
14/ 13	.1	.4	.0																			23	23	46	236	
Element (X)	Σ X ²		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X	
Rel. Hum.																										
Dry Bulb																										
Wet Bulb																										
Dew Point																										
Mean No. of Hours with Temperature																										
												≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								

USAFETAC FORM 0-26.5 (OLA) JUL 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

67-72

442
MONTH

PAGE 2

ALL

HOURS (L, S, T.)

[illegible]

0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/4AC

PSYCHROMETRIC SUMMARY

94015 FORT CARSON CO/BUTTS AAF

47-75

YEARS

APR
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
82/ 81												.0						1	1					
80/ 79											.0	.0			.1		.0	7	7					
78/ 77											.0	.0	.1		.1	.1		11	11					
76/ 75										.1		.1	.1	.1	.2	.1	.0	22	22					
74/ 73											.1	.2	.3	.4	.3	.1	.1	57	57					
72/ 71									.1	.1	.2	.3	.4	.7	.2	.0	.1	81	81					
70/ 69								.1	.1	.2	.2	.4	1.0	.5	.3	.1		108	108					
68/ 67								.1	.1	.3	.4	.8	1.0	.2	.1			118	118					
66/ 65						.0	.1	.3	.3	.9	1.4	.4	.2					137	137					
64/ 63						.0	.1	.4	.6	.9	1.0	1.0	.2	.1				154	154					
62/ 61			.0			.1	.2	.5	1.0	1.3	.8	.5	.1					169	169					
60/ 59				.0		.1	.4	.7	1.4	1.6	1.0	.3						206	206	3				
58/ 57					.1	.3	.6	.7	1.0	1.0	.6	.1						189	189	4				
56/ 55				.1	.1	.4	.7	1.2	1.3	1.0	.4	.0						207	207	12				
54/ 53			.1	.2	.4	.5	.7	1.1	.9	.7	.2							180	180	29	1			
52/ 51		.0	.0	.2	.4	1.1	1.3	1.3	.4	.3	.2							221	221	45				
50/ 49		.1	.1	.0	.0	1.1	1.1	1.1	.5	.2								197	197	103	1			
48/ 47	.1	.1	.2	.4	1.1	1.1	1.1	.5	.6									195	195	192	9			
46/ 45		.1	.7	1.0	1.1	1.1	1.2	.4	.3									222	222	340	17			
44/ 43		.2	.0	1.0	.9	.7	.4	.3	.0									159	159	432	24			
42/ 41		.3	.0	1.1	.6	1.0	.4	.2										177	177	419	37			
40/ 39	.1	.7	1.0	1.1	1.5	.6	.4											184	184	409	78			
38/ 37	.1	.7	1.9	1.2	.5	.2	.1	.0										165	165	359	137			
36/ 35	.2	.6	1.4	1.0	.4	.8	.0											143	143	327	152			
34/ 33	.4	.9	.9	.6	.1	.1												114	114	328	178			
32/ 31	.3	.0	1.0	.7	.2	.0												111	111	243	253			
30/ 29	.2	1.1	.5	.3	.1	.0												84	84	190	293			
28/ 27	.3	.7	.4	.1														58	58	141	302			
26/ 25	.1	.1	.3	.1														20	20	69	340			
24/ 23		.3	.3	.0														23	23	38	295			
22/ 21		.4	.2															22	22	35	309			
20/ 19		.3	.1															15	15	27	314			
18/ 17		.2																9	9	13	231			
16/ 15	.1	.1																6	6	10	192			
Element (X)	ΣX²		ΣX		X̄		σ _x		No. Obs.		Mean No. of Hours with Temperature						TOTAL							
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OL A) JUL 64

REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

57-75

YEARS

APR
1961
MONTH

PAGE 2

ALL

HOURS (L. S. T.)

[illegible]0-26.5 (OL A);
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE**USAFETAC**

PSYCHROMETRIC SUMMARY

67-75

YEARS

44 Y

MONTH

PAGE 1

411

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY:

57-75

YEARS

MAY
MONTH

PAGE 2

ALL

HOURS (L, S, T.)

[illegible]

USAFETAC FORM 0-26.5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94015 FORT CARSON, CO/BUITS AAF

07-75

YEARS

101
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb		Wet Bulb	Dew Point			
98/ 97																		.0	2	2				
96/ 95																		.2	10	10				
94/ 93																.1	.1	.8	40	40				
92/ 91												.1			.0	.1	.0	1.0	51	51				
90/ 89											.0	.0		.1	.2	.2	.1	1.2	77	77				
88/ 87											.1	.0	.1	.1	.2	.3	.4	1.1	94	94				
86/ 85											.0	.0	.1	.5	.4	.7	.9	.4	133	133				
84/ 83										.1	.1	.1	.4	.9	.9	1.1	.6	.4	180	180				
82/ 81						.1	.0		.1	.1	.3	.8	.9	1.3	1.0	.0	.3	219	219					
80/ 79								.0	.1	.2	.8	1.4	1.5	1.1	.0	.2	.0	234	234					
78/ 77							.2	.1	.4	.6	1.1	1.6	1.3	.6	.3	.1	.0	262	262					
76/ 75							.1	.3	.4	1.2	1.2	1.6	.8	.6	.1	.1	.0	280	280					
74/ 73					.0	.1	.3	.7	.9	1.2	1.2	.9	.6	.1	.1			254	254	1				
72/ 71				.0	.0	.1	.0	.9	1.3	1.1	1.0	.5	.3	.0				254	254	8				
70/ 69				.1	.1	.5	.6	.9	1.1	1.1	.7	.5	.1	.1				232	232	3				
68/ 67				.0	.2	.0	.7	1.2	1.3	.9	.5	.3	.1	.0				230	230	8	1			
66/ 65				.1	.5	.6	.8	1.1	.9	.6	.4	.0						213	214	38	4			
64/ 63			.1	.4	.8	1.1	1.1	.8	.6	.4	.1							221	222	58	7			
62/ 61			.3	.7	.7	.7	.9	.6	.4	.1	.0							180	180	176	5			
60/ 59		.2	.2	.7	1.0	.7	.6	.6	.2	.0								179	179	243	25			
58/ 57		.2	.3	.5	.5	.6	.4	.2	.2									137	137	557	33			
56/ 55		.4	.5	.7	.4	.6	.2	.2										123	124	679	72			
54/ 53	.1	.5	.4	.5	.4	.3	.2	.1										103	103	590	135			
52/ 51	.3	.5	.3	.4	.3	.3	.1											99	99	497	217			
50/ 49	.2	.2	.4	.6	.1	.0			.0									69	69	394	266			
48/ 47	.1	.1	.4	.0	.2	.1												38	38	254	287			
46/ 45	.0	.3	.4	.0	.1													26	26	178	374			
44/ 43	.0	.2	.2	.0														22	22	98	328			
42/ 41	.0	.2	.1	.0														14	14	66	316			
40/ 39	.0	.1	.0	.0			.0											11	11	36	391			
38/ 37	.1	.1		.0														11	11	24	336			
36/ 35	.0																	1	1	5	402			
34/ 33																				3	193			
32/ 31																					175			
Element (X)	Σx^2		Σx		\bar{x}		s_x		No. Obs.		Mean No. of Hours with Temperature										Total			
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 37 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OLA) JUL 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

57-75

YEARS

July
MONTH

PAGE 2

ALL
HOJRS (L. S. T.)

[illegible]

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94015 FORT CARSON CO/BUTTS AAF
STATION STATION NAME

67-75

YEARS

JUL
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
100/ 99																		.0	1	1					
98/ 97																		.2	8	8					
96/ 95																		.5	20	20					
94/ 93															.0	.0	.1	.6	31	31					
92/ 91														.0	.0	.3	.8	1.0	78	78					
90/ 89													.0	.1	.3	.7	.9	1.3	135	135					
88/ 87											.1	.1	.9	1.0	1.2	.0	.9	194	194						
86/ 85										.1	.5	.9	1.3	1.5	.7	.4	.4	238	238						
84/ 83										.4	.8	1.5	1.5	.7	.5	.2	.2	240	240						
82/ 81								.0	.3	1.1	1.4	1.8	.9	.5	.2	.1	.1	260	260						
80/ 79							.4	1.0	1.3	1.3	.4	.1	.2	.1	.1	.0	.0	274	274						
78/ 77				.0	.0	.1	1.2	1.9	1.9	1.3	.7	.2	.2	.1	.0	.0	.0	312	312						
76/ 75			.1	.0	.2	.9	1.6	1.6	1.1	.2	.1	.1	.1	.1	.0	.0	.0	268	268						
74/ 73		.0	.0	.3	.9	1.8	1.4	1.0	.5	.3	.0	.0	.0	.0				250	250						
72/ 71		.0	.0	.3	.9	1.8	1.4	1.0	.5	.3	.0	.0	.0	.0				259	259		4				
70/ 69		.0	.0	.4	1.1	1.6	1.0	.5	.2	.1	.1	.1						213	213		26				
68/ 67		.0	.0	.4	1.1	1.6	1.0	.5	.2	.1	.1	.1						233	233		161				
66/ 65	.0	.1	.4	1.2	1.6	1.2	.7	.3	.1	.1	.0							208	208		450				
64/ 63		.1	.9	.9	1.3	1.1	.4	.1	.1	.0								187	187		719				
62/ 61	.3	.7	1.0	1.2	.8	.4	.3	.0	.0	.0								162	162		870				
60/ 59	.1	.9	1.0	1.0	.4	.1	.0	.0	.1									94	94		705				
58/ 57	.2	.5	.3	.7	.3	.0	.0	.0										59	59		491				
56/ 55		.5	.4	.4	.1		.0											27	27		274				
54/ 53		.3	.1	.0	.0													19	19		198				
52/ 51		.3	.1	.0	.0													14	14		111				
50/ 49		.0																?	?		35				
48/ 47		.0																			16				
46/ 45																					6				
44/ 43																									
42/ 41																									
40/ 39																									
38/ 37																									
36/ 35						.0																			
34/ 33																		1	1						
Element (X)	ΣX^2		ΣX		\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature							Total							
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F									
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 10-26-55 (OL A) JUL 64

PSYCHROMETRIC SUMMARY

YEARS

Jul
MONTH

ALL
HOURS (L. S. T.)

[illegible]

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94015 FORT CARSON CO/BUTTS AAF

67-75

AUG
MONTH

YEARS

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
98/ 97																	.2	8	8		
96/ 95																	.1	4	4		
94/ 93															.1	.1	.4	22	22		
92/ 91														.0	.1	.2	.8	47	47		
90/ 89													.0	.1	.2	.9	1.7	121	121		
88/ 87											.0	.1	.3	.6	1.1	.8	.9	162	162		
86/ 85										.1	.1	.5	1.0	1.5	1.5	.6	.3	238	238		
84/ 83								.0	.0	.1	.5	.9	1.3	1.8	1.9	.2	.0	245	245		
82/ 81								.0	.3	.4	1.0	1.8	1.2	1.2	.3	.0		262	262		
80/ 79								.3	.4	1.0	1.5	1.4	1.1	.5	.1			277	277		
78/ 77							.1	.6	1.3	1.4	1.4	1.1	.7	.3	.1	.0		298	298		
76/ 75						.1	.4	1.2	1.6	1.5	1.7	.4	.2	.0	.0			308	308		
74/ 73					.0	.3	.9	1.2	1.5	1.6	.7	.3	.0	.0				274	274		
72/ 71				.2	.6	1.2	1.0	1.0	.8	.4	.2	.0						262	282		
70/ 69				.1	.6	1.3	1.6	1.1	1.1	.6	.3	.0	.0					290	290	1	
68/ 67		.0	.1	.2	1.0	1.3	1.3	1.2	.4	.2	.0	.0	.0					245	245	13	
66/ 65	.0	.3	.6	.9	1.1	1.3	1.0	.9	.4	.1	.0							224	225	67	3
64/ 63		.1	.5	.9	1.1	1.3	.7	.6	.1	.1								218	218	248	1
62/ 61		.3	.7	1.0	.8	1.0	.4	.1	.1		.0							211	211	514	19
60/ 59	.0	.9	.9	.9	.6	.6	.3	.0	.1									195	195	828	89
58/ 57	.0	.6	.7	.7	.7	.3	.0											130	132	886	159
56/ 55	.1	.8	.3	.5	.2	.6		.0	.0									73	73	730	274
54/ 53	.0	.3	.2	.3	.1		.0											40	40	429	352
52/ 51	.1	.2	.3	.1	.0													34	34	235	396
50/ 49	.1	.1	.0	.0														12	12	184	444
48/ 47	.1	.0		.0														6	6	60	418
46/ 45	.1	.1																6	6	25	460
44/ 43	.1																	1	1	9	424
42/ 41																				4	333
40/ 39																					298
38/ 37																					205
36/ 35																					145
34/ 33																					87
32/ 31																					54
Element (X)	Σx^2		Σx		\bar{x}		σ_x		No. Obs.		Mean No. of Hours with Temperature							Total			
Rel. Hum.											≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F				Total	
Dry Bulb																					
Wet Bulb																					
Dew Point																					

PSYCHROMETRIC SUMMARY

67-75

3.15

MONTH

PAGE 2

ALL

HOURS (L. S. T.)

[illegible]

USAFETAC 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE ORMA 11P AA

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94015 FORT CARSON CH/BUTTS AAF
STATION STATION NAME

66-74

YEARS

SEP
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
90/ 89															.0	.0	.2	9	9						
88/ 87														.1	.1	.1	.2	20	20						
86/ 85												.0	.1	.1	.4	.7	.1	55	55						
84/ 83													.5	.4	.5	.8	.2	91	91						
82/ 81											.1	.2	.7	.7	.6	.3		107	107						
80/ 79										.1	.4	.8	.8	1.1	.7	.2	.1	151	151						
78/ 77									.1	.2	.6	.8	1.0	1.1	.2	.1		156	156						
76/ 75								.2	.4	.9	1.2	1.6	1.4	.4		.0		223	223						
74/ 73							.2	.3	.4	1.1	1.6	1.2	.7	.1	.1			214	214						
72/ 71						.1	.2	.6	1.0	.9	1.0	.8	.3					186	186						
70/ 69					.0	.5	.4	.9	1.3	1.2	.8	.4	.1	.0				218	218						
68/ 67					.2	.6	.5	1.5	1.1	1.1	.4	.2	.0					220	220						
66/ 65				.1	.9	.6	.8	1.2	1.1	.7	.3	.0						223	223						
64/ 63		.0	.1	.4	.7	.7	1.4	1.4	.6	.4	.2	.0						220	220		4				
62/ 61		.1	.2	.8	.7	1.0	1.1	1.1	.5	.2	.1	.0						224	224	45	1				
60/ 59		.2	.5	.7	.8	1.2	.8	.6	.4	.1	.1							215	215	174	1				
58/ 57	.3	.5	.5	.9	1.2	.9	.9	.7	.2	.1								232	232	352	22				
56/ 55	.2	.4	.6	.8	.9	.7	.6	.2	.1									174	174	504	74				
54/ 53	.1	1.1	.6	.4	.6	.7	.5	.2										162	162	544	129				
52/ 51	.1	1.1	.7	.8	.5	.4	.2	.0										153	153	551	175				
50/ 49	.2	.8	.6	.6	.5	.4	.1	.0										133	133	496	184				
48/ 47	.2	.6	.7	.8	.5	.2	.1											113	113	287	211				
46/ 45	.1	.7	.7	.6	.3	.1												93	93	240	288				
44/ 43	.1	.4	.7	.5	.4	.0												75	76	207	359				
42/ 41	.1	.4	.3	.4	.1													48	48	141	369				
40/ 39	.1	.3	.2	.2	.1													43	43	104	338				
38/ 37	.1	.1	.3	.1														24	24	73	332				
36/ 35	.2	.1	.1	.1														13	13	44	322				
34/ 33	.1	.1	.1															9	9	25	243				
32/ 31	.1	.3																13	13	11	200				
30/ 29	.1	.2																9	9	22	216				
28/ 27	.3																	1	1	2	137				
26/ 25																					1	101			
24/ 23																						39			
Element (X)	Σ X ²		Σ X		X		e _x		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total		
Dry Bulb																									
Wet Bulb																									
Dew Point																									

PSYCHROMETRIC SUMMARY

06-74

SEP
MONTH

PAGE 4

ALL
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

PSYCHROMETRIC SUMMARY

06-74

YEARS

136 T
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

1,6-74

YEARS

36 T
MONTH

PAGE 2

ALL
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94015 FORT CARSON CO/BUTTS AAF
STATION STATION NAME

64-74

YEARS

MONTH

PAGE 1

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	1	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point					
74/ 73												.0	.1	.0	.1	.1		0	9						
72/ 71									.0			.1	.1		.1	.1		12	12						
70/ 67										.0	.1	.4	.1	.2				25	25						
68/ 67										.1	.2	.1	.3	.1				32	32						
66/ 65								.0	.1	.2	.5	.5	.3	.0				61	61						
64/ 63							.0	.0	.2	.7	.6	.4	.1	.0				76	76						
62/ 61						.0	.1	.1	.3	.5	.8	.3	.1					81	81						
60/ 59							.2	.3	.5	1.1	.7	.2						114	125						
58/ 57					.0	.0	.1	.8	1.2	.9	.2	.1						110	121						
56/ 55					.1	.1	.2	.7	1.0		.1							107	129						
54/ 53				.1	.1	.2	.7	1.1	.9	.5								136	138	1					
52/ 51				.2	.2	.5	1.2	.8	.1									154	154	6					
50/ 49				.0	.4	1.5	1.3	1.0	.4	.1								176	182	26					
48/ 47				.2	.7	1.9	1.5	.9	.3									194	200	57					
46/ 45			.1	.4	1.5	1.7	1.3	.4		.1								191	193	102	3				
44/ 43			.1	.8	1.2	1.2	.8	.1										177	178	204	1				
42/ 41		.1	.5	1.5	1.6	1.6	.4											200	203	249	8				
40/ 39		.6	1.7	2.1	.6	.1												195	196	310	9				
38/ 37		.3	1.5	1.7	1.4	.5												196	199	336	13				
36/ 35	.1	.8	1.8	1.5	1.0	.2												192	198	349	41				
34/ 33	.5	1.7	1.8	1.5	.6	.0												219	228	360	102				
32/ 31	.4	1.7	1.8	.9	.4													181	187	359	175				
30/ 29	.3	2.5	1.6	.6	.1													194	199	308	301				
28/ 27	.0	2.1	1.2	.5	.3													161	166	284	327				
26/ 25	.8	2.3	1.3	.2														153	157	199	392				
24/ 23	.1	1.2	.7	.0														72	76	140	358				
22/ 21	.3	.4	.1	.0														47	50	93	261				
20/ 19	.1	.7	.2															35	36	59	351				
18/ 17	.1	.5	.2	.0														27	27	37	266				
16/ 15		.2	.1															15	18	25	261				
14/ 13	.1	.3	.0															17	18	23	174				
12/ 11	.0	.1	.0															4	4	10	147				
10/ 9	.0	.1	.0															7	7	5	118				
8/ 7		.0																1	1	5	53				
Element (X)	Σ X ²		Σ X		Σ		Σ		no. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.											≤ 6 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OL-A) (Rev. 10-64)

PSYCHROMETRIC SUMMARY

44-74

YCARB

MONITOR

PAGE 2

A.T.L.
HOURS (L. S. T.)

FOR A
JUL 61

JSAFETAC

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24015 FORT CARSON CO/BUTTS AAF

06-74

YEARS

06
MONTH

PAGE 1

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B.-W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
72/ 71												.0		.0				7	2						
72/ 69												.0	.0					2	2						
69/ 67												.0	.1	.1				5	5						
66/ 65												.1	.1					6	6						
64/ 63										.2	.1	.1	.1					16	16						
62/ 61								.1		.1	.1	.2	.0					26	26						
60/ 59								.0	.1	.3	.2	.3	.1					38	38						
58/ 57								.0	.1	.3	.4	.0	.0					57	57						
56/ 55				.0	.0	.0	.0	.2	.4	.7	.2	.0						63	63						
54/ 53					.0	.0	.2	.4	1.0	.0	.1							82	82						
52/ 51					.1	.1	.5	.7	.7	.0								97	97						
50/ 49				.1	.1	.2	.2	1.0	.5	.1								99	99	5					
48/ 47				.0	.1	.5	.8	1.4	.4	.0								119	119	3					
47/ 45		.0	.0	.2	.6	1.0	1.7	1.3	.2	.0								182	182	26	1				
44/ 43		.0	.1	.1	.0	1.3	1.9	.4										165	165	43	1				
42/ 41			.1	.3	.9	1.7	1.4	.2	.0									165	165	67	2				
40/ 39		.0	.1	.7	2.2	1.6	.9	.0										205	205	132	5				
38/ 37		.1	.5	1.3	2.0	1.6	.4											216	216	184	5				
36/ 35	.0	.1	1.0	1.2	2.1	1.4												210	210	222	12				
34/ 33	.0	.4	1.2	1.4	1.4	.2												179	179	269	14				
32/ 31	.2	.7	1.3	1.5	1.4	.2												191	191	3	25				
30/ 29	.2	.8	1.9	2.3	.0	.0												221	222	344	77				
28/ 27	.0	1.7	1.8	1.8	.2													213	213	310	116				
26/ 25	.3	1.6	1.7	1.4	.1													189	191	315	166				
24/ 23	.0	1.8	1.6	.5	.0													181	183	299	198				
22/ 21	.5	1.3	.9	.3														111	114	231	274				
20/ 19	.4	1.7	.0	.1														114	116	159	303				
18/ 17	.0	1.3	.0	.1														92	92	156	277				
16/ 15	.2	1.4	.2															70	70	86	331				
14/ 13	.3	.6	.3															50	52	77	281				
12/ 11	.4	1.2	.2															64	67	62	315				
10/ 9	.0	1.1	.0															71	72	84	262				
8/ 7	.0	.7																32	32	37	261				
6/ 5	.1	.6																27	27	36	163				
Element (X)	Σ x²			Σ x			x̄			s _x			No. Obs.			Mean No. of Hours with Temperature							Total		
Rel. Hum.																≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total			
Dry Bulb																									
Wet Bulb																									
Dew Point																									

PSYCHROMETRIC SUMMARY

65-74

1317
MONTH

YEARS

PAGE 4

ALL

HOURS (L. S. T.)

USAFETAC FORM JUL 64 0-26.5 (OL) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

5

94015 FIVE CARS, CUBITT'S AAF 71-74 JAN

Page 1 0300-0500
HOURS (L. S. T.)

USAFETAC
FORM
JUL 64
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94015 FORT CARSON CO/BUTTS AAF

67-75

JAN
MONTH

PAGE 1 0600-0800
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
58/ 57										.1	.1							2	2		
56/ 55											.1							1	1		
54/ 53										.1								1	1		
52/ 51							.2		.3									4	4		
50/ 49				.1	.6			.1										6	6		
48/ 47			.1			.3	.3	.4	.1									13	13		
46/ 45					.7	1.2	.3	.3	.1									18	18		
44/ 43					.9	1.2	.7	.1										20	20	4	
42/ 41				.6	.6	1.0	.1											20	20	4	1
40/ 39			.5	.7	2.4	.7	.9	.4										30	39	2	
38/ 37		.4	.7	.4	1.2	1.0	.4											20	29	21	1
36/ 35		.6	1.0	1.0	2.2	.4												38	38	27	2
34/ 33		.1	.6	3.2	1.0	.3												36	36	34	7
32/ 31		.9	1.2	3.1	1.2	.1												45	45	44	9
30/ 29	.4	1.7	1.7	3.3	.9	.3												55	58	40	10
28/ 27	.4	1.6	3.6	1.2	.3													49	49	82	27
26/ 25	.6	1.5	3.5	.6	.1													43	43	70	30
24/ 23	.4	.1	1.8	.2	.1													24	24	63	26
22/ 21	.4	1.2	1.9	.4														27	27	51	40
20/ 19	.4	1.2	1.3	.4														22	22	25	53
18/ 17	.7	1.7	.7															22	22	34	53
16/ 15	.4	1.9	.9	.1														22	22	25	58
14/ 13	.7	1.7	.4															23	23	30	48
12/ 11	.4	2.0	.3															22	22	13	49
10/ 9	1.0	1.2	.6															20	20	29	44
8/ 7	.6	2.2																21	21	12	39
6/ 5	.4	1.5																11	12	15	25
4/ 3	.1	1.0																7	7	9	36
2/ 1	.4	.4																6	6	11	21
0/ -1	1.0	.1																12	12	13	21
-2/ -3	.4	.6																8	8	8	16
-4/ -5	.4	.4																8	8	6	17
-6/ -7	.3	.3																4	4	6	12
-8/ -9	.7																	5	5	6	13
Element (X)	Σ x ²		Σ x		x̄		σ _x		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total				
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

94015 F. I. PT CARSON C. J. BUTTS AAF
STATION STATION NAME

67-71

YEARS

JAN
MONTH

PAGE 2 0600-0800
HOURS (L, S, T.)

[illegible]

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94015 FORT CARSON CO/BUTTS AAF

67-75

JAN
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21	22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
68/ 67								.1											1	1					
67/ 61									.1										1	1					
60/ 59							.1	.3	.1	.3	.2	.1							6	7					
58/ 57						.1	.1		.1		.4								6	6					
56/ 55						.1	.1	.7		.1									8	8					
54/ 53						.4	.7	1.3	.4	.4	.1								25	25	1				
52/ 51						.3	1.0	1.3	.5	.1									25	25					
50/ 49					.1	.4	1.2	.4	.4										19	19					
48/ 47					.1	.8	1.7	1.0	.3										34	34	2				
46/ 45				.7	.8	2.2	1.2	.9											45	45	6				
44/ 43				.1	.5	2.0	1.4	.4											34	34	7	1			
42/ 41			.1	.9	1.0	3.1	.7	.1											46	46	15				
40/ 39				1.2	2.0	.6	.1	.1											37	37	37				
38/ 37		.2	1.0	.9	1.8	1.0													39	39	42	2			
36/ 35		.5	.7	1.3	1.2	.4	.1	.1											33	33	56	2			
34/ 33		.9	1.2	2.0	2.2	.1	.1												50	50	76	12			
32/ 31	.1	.9	1.3	1.2	.4														30	30	77	19			
30/ 29	.1	.8	1.0	1.0	.9	.2													42	42	54	23			
28/ 27	.4	1.0	2.0	1.3	.4														43	43	56	33			
26/ 25	.8	1.3	.7	1.7	.3														36	36	62	42			
24/ 23	.1	1.0	.9	.9															27	27	38	49			
22/ 21	.4	1.0	1.0	.9															23	23	41	74			
20/ 19	1.0	1.2	1.4	.1															29	29	34	87			
18/ 17	.1	.4	1.0	.1															13	13	25	49			
16/ 15	.3	1.8	.5																20	20	24	52			
14/ 13	.8	1.4	.4																18	18	27	52			
12/ 11	.3	.5	.1																9	9	13	43			
10/ 9	.4	1.4	.4																20	22	13	59			
8/ 7	.7	1.2	.1																15	15	21	40			
6/ 5		.7	.1																6	6	9	23			
4/ 3	.4	.8																	9	10	8	21			
2/ 1		.8																	6	6	9	20			
0/ -1	.4	.3																	5	5	7	19			
-2/ -3		.3																	2	2	4	7			
Element (X)	Σ X ²		Σ X		X̄		S _x		No. Obs.		Mean No. of Hours with Temperature							Total							
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																									
Wet Bulb																									
Dew Point																									

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94015 FORT CARSON CO/BUTTS AAF
STATION STATION NAME

7-75

YEARS

July
MONTH

PAGE 2 0300-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
-4/-5	.1	.1																2	2	1	8		
-6/-7		.1																1	1	1	14		
-8/-9																				1	11		
-10/-11																					4		
-14/-15																					2		
-16/-17																					1		
-18/-19																					1		
-20/-21																					2		
TOTAL	7.1	1.7	14.0	14.0	12.4	12.1	8.0	1.3	2.0	.7	.8	.1						768	771	768	768		
													</										

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94015 FORT CARSON CO/BUTTS AAF
STATION STATION NAME

17-75

YEARS

JAN
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
72/ 71											.1			.1				2	2					
70/ 69											.1	.3						3	3					
68/ 67										.1								1	1					
66/ 65									.1	.1	.1	.3						5	5					
64/ 63								.3		.3	.6	.1	.3					13	13					
62/ 61							.1	.1	.3	.6	.3		.4					20	20					
60/ 59						.3	.5	.7	1.3	.8	.3							29	29					
58/ 57						.4	.2	.6	.9	.4	.1							23	23					
56/ 55						.4	.2	.9	1.2	.4	.3							26	26					
54/ 53					.1	.1	.8	1.9	.8	1.1	.4	.1						40	40					
52/ 51					.1	.4	2.4	1.5	.7	.4	.1							42	42	1				
50/ 49					.1	.2	1.7	.3	.5	.1								29	29	8				
48/ 47				.3	.5	2.5	.9	.9	.3									39	39	7				
46/ 45				.3	.9	.9	1.3	1.1	1.1									42	42	25				
44/ 43				.3	.7	2.0	1.6	.4										37	37	35				
42/ 41				.5	1.0	2.2	.7	.4										41	41	43				
40/ 39			.4	.9	1.7	.9	.4											33	33	67				
38/ 37		.1	.5	1.2	1.1	1.5												37	37	57	6			
36/ 35			1.2	1.1	1.2	.1												29	29	64	9			
34/ 33		.4	.8	.9	.9	.1												24	24	69	10			
32/ 31	.1	.7	1.2	.7	.7	.1												29	29	70	24			
30/ 29	.1	1.7	2.3	1.2	.3													42	42	55	30			
28/ 27	.7	.4	.3	.4	.4													20	20	57	49			
26/ 25		1.1	1.5	.7														26	24	34	61			
24/ 23		.3	.4															9	9	20	53			
22/ 21		.4	.5	.4														11	11	24	81			
20/ 19	.1	.9	.7	.1														14	14	16	62			
18/ 17	.1	.4	.5															10	10	11	58			
16/ 15	.1	1.2	.3															13	13	20	59			
14/ 13	1.1	.1	.4															12	12	17	40			
12/ 11	.5	.3	.7															11	11	6	34			
10/ 9	.4	1.5	.1															15	16	10	47			
8/ 7	.1	1.3	.5															15	15	16	30			
6/ 5	.4																	3	3	10	14			
Element (X)	Σ X ²		Σ X		X̄		σ _x		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 °	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																								
Wet B. b																								
Dew Point																								

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

7-75

YEARS

JAN
MONTH

PAGE 2 1700-1400
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

47-75

JAN
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

JA!
MONTH

PAGE 4 1500-1700
HOURS (L. S. T.)

FORM 6A
JUL 64

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

12
MONTH

PAGE 1 1300-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb		Dew Point		
64/ 63																		1	1				
62/ 61																		2	2				
60/ 59																		1	1				
58/ 57																		3	3				
56/ 55																		2	2				
54/ 53																		5	5				
52/ 51																		13	13				
50/ 49																		13	13	1			
48/ 47																		22	22				
46/ 45																		27	27				
44/ 43																		20	20				
42/ 41																		23	23	11			
40/ 39																		38	38	15	1		
38/ 37																		29	29	23			
36/ 35																		36	36	40	1		
34/ 33																		35	35	50	5		
32/ 31																		33	33	41	8		
30/ 29																		42	42	65	20		
28/ 27																		40	40	49	24		
26/ 25																		28	28	47	31		
24/ 23																		17	17	48	38		
22/ 21																		23	23	38	43		
20/ 19																		19	19	22	41		
18/ 17																		11	11	18	64		
16/ 15																		9	9	17	57		
14/ 13																		4	4	8	40		
12/ 11																		11	11	7	33		
10/ 9																		21	21	16	45		
8/ 7																		9	9	12	15		
6/ 5																		4	4	10	11		
4/ 3																		5	5	3	23		
2/ 1																		8	8	10	11		
0/ -1																		13	13	14	12		
-2/ -3																		9	9	7	9		
Element (X)	Σx²			Σx			Σ			σ _x			No. Obs.			Mean No. of Hours with Temperature							
Rel. Hum.																≤ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total	
Dry Bulb																							
Wet Bulb																							
Dew Point																							

PSYCHROMETRIC SUMMARY.

YEARS

PAGE 2 1800-2000
HOURS (L. S. T.)

USAFETAC

PSYCHROMETRIC SUMMARY

63-75

JAN
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb		Dew Point		
62/ 61												.3							1	1			
58/ 57										.3									1	1			
54/ 53										.3									1	1			
52/ 51										.3	.3								2	2			
50/ 49								.7	.3										3	3			
48/ 47					.3		1.0	.3	.3										6	6			
46/ 45				.3	.3	1.0	2.3												12	12			
44/ 43				.3	.7	.7													5	5			
42/ 41				.3	1.3	1.7	.7	.3											13	13	1		
40/ 39			.7	2.3	.7	.7	1.0												16	16	5		
38/ 37			.7	2.0	.7	1.3													14	14	5		
36/ 35			1.3	2.3	1.7	.3	.3												18	18	13		
34/ 33			1.0	3.3	.7	.3													16	16	22	1	
32/ 31	.3		2.0	3.0	.7														18	18	17	2	
30/ 29		2.3	4.3	3.0	.3														30	30	22	6	
28/ 27		2.0	4.0	1.7	.7														25	25	37	9	
26/ 25	1.0	2.3	2.3	1.7	.3														23	23	36	18	
24/ 23	.7	1.3	2.3																13	13	25	18	
22/ 21	.3	1.7	.3	.7															9	9	23	26	
20/ 19	.7	1.3	1.7	.3															12	12	15	28	
18/ 17	.3	1.3	.3																6	6	6	29	
16/ 15	.3	.7	.3																4	4	13	27	
14/ 13		1.3																	4	4	3	21	
12/ 11	1.0	.3																	4	4	7	16	
10/ 9	1.0	.7																	5	5	5	23	
8/ 7	.7	2.7																	10	10	3	12	
6/ 5	.3	1.0																	4	4	11	8	
4/ 3		1.0																	1	3	3	6	
2/ 1	.7	1.3																	6	6	6	10	
0/ -1	1.3	.7																	6	6	6	5	
-2/ -3		1.3																	4	4	4	8	
-4/ -5	1.3	.3																	5	5	5	5	
-6/ -7	.3																		1	1	2	9	
-8/ -9																						3	
Element (X)	ΣX ²			ΣX			X̄			σ _x			No. Obs.			Mean No. of Hours with Temperature							
Ref. Num.																≤ 0 F	≤ 32 F	≥ 47 F	≥ 73 F	≥ 80 F	≥ 93 F	Total	
Dry Bulb																							
Wet Bulb																							
Dew Point																							

USAFETAC
FORM 0-26.5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

68-75

JAN
MONTH

PAGE 2 2100-2300
HOURS (L. S. T.)

[illegible]

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94015 FORT CARSON CO/BUTTS AAF

71-75

FEB
MONTH

PAGE 1 0300-0500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb		Wet Bulb	Dew Point	
42/ 41							2.6											1	1			
38/ 37					5.3	2.6												3	3			
36/ 35			2.6	2.6			2.6											3	3			
34/ 33				2.6														1	1			
32/ 31				5.3														2	2	2		
30/ 29		2.6	7.9	7.9														7	7	4		
28/ 27			5.3	5.3														4	4	4	1	
26/ 25		5.3	5.3															4	4	3	1	
24/ 23			5.3															2	2	9		
22/ 21			5.3															2	2	3	3	
20/ 19		5.3																2	2	3	2	
18/ 17		5.3																2	2	3	3	
16/ 15		5.3																2	2	3	3	
14/ 13		2.6	2.6															2	2	1	6	
12/ 11																				1	8	
10/ 9																				1	3	
8/ 7		2.6																1	1		3	
6/ 5																				1	1	
4/ 3																					1	
-2/ -3																					1	
-4/ -5																					1	
-6/ -7																					1	
TOTAL		28.9	34.2	23.7	5.3	2.6	5.3											38	38	38	30	

FORM 0-26-5 (OL A) JUL 64

USAFETAC

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

94015 FORT CARSON CO/BUTTS AAF

67-75

FEB
MONTH

PAGE 1 0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL										
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point												
56/ 55											.3							2	2													
52/ 51								.5			.2							4	4													
50/ 49								.3	.3									4	4													
48/ 47							.2	.3										3	3													
46/ 45							.5	.2										4	4													
44/ 43						.3	.2		.2									4	4													
42/ 41			.2	.5	.8	1.0	.5	.2										19	19													
40/ 39			.2	.5	1.1	1.3	.6											23	23													
38/ 37			.6	1.1	1.5	1.1	.3	.2										30	30		2											
36/ 35		.2	.5	2.4	3.9	1.1	.2											51	51	12	1											
34/ 33		.3	.5	2.8	2.6	.3	.2											40	40	21												
32/ 31		.3	1.8	3.1	1.6													42	42	32	1											
30/ 29	.2	1.1	3.2	3.8	1.3	.3												60	60	49	5											
28/ 27	.2	2.6	3.1	3.1	.3													60	60	88	12											
26/ 25	.3	4.4	3.7	1.6	.3													63	65	78	17											
24/ 23	.2	2.8	2.3	1.0	.2													38	38	76	27											
22/ 21	.2	2.3	2.9															33	34	59	44											
20/ 19	1.3	2.8	2.3	.2														40	40	57	44											
18/ 17	.2	3.2	1.8															34	34	38	61											
16/ 15	.2	2.8	1.0															28	29	40	61											
14/ 13	.2	.8	.5															13	15	29	62											
12/ 11	.2	.3	.2															5	5	15	77											
10/ 9		1.0																6	6	4	64											
8/ 7		.2																1	1	4	52											
6/ 5	.2	.6																5	5	2	20											
4/ 3																				4	14											
2/ 1	.3	.3																4	4	2	16											
0/ -1																				2	12											
-2/ -3																					14											
-4/ -5																					4											
-6/ -7																					3											
-8/ -9																					2											
-10/ -11																					1											
-12/ -13																					1											
Element (X)	ΣX^2					ΣX					\bar{X}					σ_x					No. Obs.					Mean No. of Hours with Temperature						
Rel. Hum.																										≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb																																
Wet Bulb																																
Dew Point																																

PSYCHROMETRIC SUMMARY

67-75

FEB
MONTH

PAGE 2 0600-0800
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OLA) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
 JSAP ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94015 FORT CARSON CO/BUTTS AFB
 STATION STATION NAME

7-75

YEARS

FEB
 MONTH

PAGE: 1 3900-1100
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
64/ 63												.3	.1					3	3					
62/ 61											.1		.1					2	2					
60/ 59									.3	.1	.1							4	4					
58/ 57										.7		.1						6	6					
56/ 55									.7	.4	.4							11	11					
54/ 53						.1		.4	1.0	.4	.1							15	15					
52/ 51						.1	.3	.9	.7	.6	.1							19	19					
50/ 49						.6	1.0	1.6	1.2	.1								31	31					
48/ 47				.1	.4	.7	1.9	2.3	.6	.1								43	43					
46/ 45					.4	2.2	1.7	1.4	.1									41	41					
44/ 43				.3	1.3	1.9	2.2	.1										40	40	3				
42/ 41			.1	.9	1.9	1.7	1.7											58	58	10				
40/ 39		.1	.4	1.3	2.3	1.7	.3	.3										45	45	27				
38/ 37		.1	.9	1.7	1.7	1.3	.3											42	42	43				
36/ 35			.9	2.0	2.9	.9	.1											47	47	76	2			
34/ 33		.3	1.7	2.0	1.9	.3												47	47	80	2			
32/ 31		1.0	2.4	1.6	.9	.7												46	46	98	7			
30/ 29		1.3	2.3	2.2	.4													43	43	70	14			
28/ 27		1.7	2.0	.9	.6													36	36	72	25			
26/ 25	.1	1.4	1.4	1.2														29	29	63	48			
24/ 23	.1	1.3	1.3	.1	.1													25	25	44	57			
22/ 21	.1	1.4	1.3															21	21	33	59			
20/ 19	.1	.3	.1															4	4	27	73			
18/ 17	.3	.9	.7															13	13	16	69			
16/ 15	.7	.6	.1															10	10	10	77			
14/ 13	.1	.3	.4															6	6	11	67			
12/ 11	.3	.1																3	4	5	56			
10/ 9		.3	.3															4	4	3	51			
8/ 7		.1																1	1	2	24			
6/ 5																				2	12			
4/ 3																					20			
2/ 1																					9			
0/ -1																					8			
-2/ -3																					6			
Element (X)	ΣX^2		ΣX		\bar{X}		σ_X		No. Obs.		Mean No. of Hours with Temperature							Total						
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																								
Wet Bulb																								
Dew Point																								

PSYCHROMETRIC SUMMARY

YEARS

FEB
MONTH

PAGE 2 0900-1100
HOURS (L. S. T.)

[illegible]

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94015 FORT CARSON CO/BUTTS AAF

67-75

Fe 4
MONTH

YEARS

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
70/ 69															.1	.1		2	2						
68/ 67													.1	.1				2	2						
66/ 65												.1	.1	.3	.3			6	6						
64/ 63												.7	.1	.1				7	7						
62/ 61										.4	.6	.9	.1					14	14						
60/ 59							.1	.6	.3	1.0	.9	1.5						30	30						
58/ 57							.3	.7	.7	1.0	1.0	.6						29	29						
56/ 55						.1	.3	.3	2.2	1.6	.9							37	37						
54/ 53						.3	.3	2.0	2.2	2.0	.6							51	51						
52/ 51						.4	.7	2.2	1.2	.7	.3							38	38						
50/ 49					.3	.7	1.7	2.0	1.7	.4								52	52						
48/ 47					.3	.7	2.0	2.0	1.5									20	50	3					
46/ 45					.4	2.3	2.3	1.3	1.5									54	54	5					
44/ 43				.6	1.2	2.0	2.0	.4	.3									45	45	22					
42/ 41			.4	.3	1.9	2.6	.3	.1										39	39	37					
40/ 39		.1	.3	.9	2.0	1.7	.6	.1										40	40	71					
38/ 37			.7	1.6	1.2	.7												29	29	95	1				
36/ 35		.4	.9	.9	1.0	.4												25	25	104	4				
34/ 33			.4	1.0	1.2	.4												21	21	82	9				
32/ 31		.7	.4	1.0	.7	.3												22	22	85	17				
30/ 29		.4	1.7	.7	.4													23	23	40	13				
28/ 27	.3		.9	.7	.4													16	16	35	29				
26/ 25	.1	.9	.9															13	13	34	36				
24/ 23	.1	.6	.6	.1														10	10	23	44				
22/ 21	.4	.6	.7															12	12	15	61				
20/ 19	.1	.4																4	4	13	77				
18/ 17		.9	.4															9	9	9	69				
16/ 15	.3		.1	.1														4	4	7	58				
14/ 13	.4		.2															5	5	5	64				
12/ 11																				2	40				
10/ 9																				2	45				
8/ 7																					27				
6/ 5																					20				
4/ 3																					22				
Element (X)	ΣX^2		ΣX		\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature										Total				
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F			Total						
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

FEA
MONTH

PAGE 2 1200-1400
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

FEB
MONTH

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
70/ 69															.3			2	2					
66/ 65											.3		.3		.2			5	5					
64/ 63										.2	.6	.5	.6	.3				15	15					
62/ 61										.6	1.6	.7	.2					21	21					
60/ 59									.2	1.1	1.1	.8	.2					21	21					
58/ 57							.2	.3	1.4	.6	.9		.2					25	25					
56/ 55						.2	.3	.5	2.2	2.4	.8							42	42					
54/ 53							.3	2.0	3.5	1.3	.5							49	49					
52/ 51						.2	.9	2.2	1.9	.3								35	35					
50/ 49						.6	1.6	2.2	1.7	.2								40	40					
48/ 47			.2		.2	.0	2.7	2.7	1.4	.2								50	50	1				
46/ 45				.2	.9	.8	3.1	2.4	.8									51	51	7				
44/ 43				.3	.6	1.7	2.8	.2										36	36	22				
42/ 41			.2	1.1	.9	3.0	1.1											40	40	38				
40/ 39			.5	.9	1.0	.5	.5											25	25	76				
38/ 37			.6	.8	1.1	1.4	.2											27	27	81				
36/ 35	.4	.2	.8	1.3	.6	.5												22	22	79				
34/ 33		.6	.9	.3	.5	.8												21	21	93				
32/ 31	.3	.8	.9	.5	.2	.2												18	18	82				
30/ 29	.6	.6	.6	.6	.3													16	16	36				
28/ 27	.2	.9	1.3	.8	.2													20	20	24				
26/ 25	.2	1.1	.5	.5														14	14	23				
24/ 23		.6	.5															7	7	25				
22/ 21	.6	1.1	.5	.2														12	12	37				
20/ 19	.4	.8	.2	.2														9	9	17				
18/ 17		.5		.2														4	4	5				
16/ 15	.3	.5		.2														6	6	6				
14/ 13	.4		.2															2	2	5				
12/ 11																				2				
10/ 9																				1				
8/ 7																								
6/ 5																								
4/ 3																								
2/ 1																								
Element (X)	Σx^2	Σx	$\bar{x}</$																					

PSYCHROMETRIC SUMMARY

47-75

Feb
MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

[illegible]

USAFETAC **FORM** **0-26.5 (OL A)** **REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE**
REF. 04

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94015 FORT CARSON CO/BUTTS AAF

08-75

FEB

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
60/ 59											.2							1	1					
58/ 57									.2		.2							2	2					
56/ 55									.6	.4	.4							9	9					
54/ 53							.2	.4	.6	.8	.2							11	11					
52/ 51						.2	.4	.4	1.1	.2	.2							13	13					
50/ 49						.2	.4	.6	1.5	.2								17	17					
48/ 47					.2	.6	1.5	1.9	.6	.2								26	26					
46/ 45					.2	1.0	2.1	2.3	.2									30	30					
44/ 43		.2		.2	1.0	2.5	2.3	1.0										37	37	1				
42/ 41				.6	1.5	2.2	1.7	.2										33	33	3	1			
40/ 39		.4	.2	.2	2.5	3.1	1.1											39	39	15				
38/ 37			.4	.8	3.4	2.5	1.0											42	42	23	2			
36/ 35		.6	1.9	1.7	2.1	1.1												39	39	39				
34/ 33	.4	1.0	1.7	3.1	2.2	.5												48	48	70	3			
32/ 31	.2	.4	1.3	.6	1.9	.2												24	24	77	4			
30/ 29	.2	1.0	1.1	1.9	.6													28	28	72	16			
28/ 27	1.1	1.3	.8	1.7	.2													27	27	61	23			
26/ 25	.4	.6	1.7	.4	.2													17	17	39	19			
24/ 23		1.1	2.1	.4	.2													20	20	29	29			
22/ 21		1.2	1.0															12	12	19	36			
20/ 19	.4	1.7	.8															15	15	22	50			
18/ 17	.6	1.5	.4															13	13	20	50			
16/ 15		1.7																9	10	14	48			
14/ 13	.2	.2																2	2	9	50			
12/ 11	.2	.8																5	5	6	55			
10/ 9		.2	.2															2	2		54			
8/ 7		.4																1	1	2	36			
6/ 5																				1	18			
4/ 3																					9			
2/ 1																					3			
0/ -1																					5			
-2/ -3																					3			
-4/ -5																					1			
-6/ -7																					2			
Element (X)	ΣX^2		ΣX		\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																								
Wet Bulb																								
Dew Point																								

PSYCHROMETRIC SUMMARY:

68-75

FEB
MONTH

PAGE 2 1800-2000
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26.5 (0' ')

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94015 FJRT LARSON CO/BUTTS AAF
STATION STATION NAME

08-75

YEARS

FEB
MONTH

PAGE 1 2100-2300

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
54/ 53										.7								2	2		
52/ 51							.4	.7	.4									4	4		
50/ 49							.4	.7	1.1									7	7		
48/ 47							.7	.4	1.5									7	7		
46/ 45							.7	1.1	1.5	.4								10	10		
44/ 43				.7	.4	2.2	.4	.7										12	12		
42/ 41					1.1	1.5	1.5	.4										12	12		
40/ 39		.4		.4	2.2	2.2	1.1											17	17	4	
38/ 37				1.1	2.2	1.8	.4											15	15	11	1
36/ 35				2.6	5.9	1.5												27	27	6	
34/ 33		.4	1.5	3.7	2.9	.7												25	25	20	
32/ 31	.4	1.5	3.7	2.9	2.6													30	30	30	2
30/ 29	.7	1.8	2.2	1.8														18	19	37	8
28/ 27	.4	1.8	1.8	2.2														17	17	52	8
26/ 25		.4	2.6	1.1														11	11	27	11
24/ 23		2.2	1.5	1.1														14	14	14	12
22/ 21	1.1	1.8	1.8	.7														15	15	24	23
20/ 19		1.1	1.8															8	8	9	28
18/ 17		1.1	.4															4	4	14	28
16/ 15		2.2																6	7	9	20
14/ 13		.7																2	2	5	24
12/ 11	.4	.7																3	3	3	27
10/ 9		1.1	.4															4	4	2	39
8/ 7		.4																1	1	2	17
6/ 5		.4																1	1	2	14
4/ 3																				1	2
2/ 1																					3
0/ -1																					1
-2/ -3																					1
-4/ -7																					2
-8/ -9																					1
TOTAL	2.9	18.0	18.0	18.4	17.3	11.8	5.5	5.5	1.8	.7								272		274	272
Element (X)	Σx ²		Σx		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature								
Rel. Hum.	870923		14411		53.0		19.908		272		≤ 0 F		≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total			
Dry Bulb	311962		8856		32.3		9.707		274				41.7					84			
Wet Bulb	201083		7169		26.4		6.691		272				71.3					84			
Dew Point	77585		4155		15.3		7.217		272		1.5		83.7					84			

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

MONTH

0300-0500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31		Dry Bulb	Wet Bulb	Dew Point		
56/ 55										1.7								1	1				
54/ 53								1.7										1	1				
52/ 51									1.7									1	1				
50/ 49								1.7	1.7									2	2				
48/ 47							1.7	3.3										3	3				
46/ 45									1.7									1	1				
44/ 43								1.7										1	1				
42/ 41				1.7				3.3										3	3		1		
40/ 39						3.3	1.7	1.7										4	4		1		
38/ 37						3.3	5.0											5	5		4		
36/ 35		1.7	1.7	3.3														4	4		3		
34/ 33		1.7	1.7	1.7	1.7													4	4		1		
32/ 31																					7		
30/ 29	1.7	3.3	5.0	1.7														7	7		2		
28/ 27		1.7	1.7	3.3														4	4		4		
26/ 25		3.3	1.7															3	3		2		
24/ 23	1.7		3.3	1.7														4	4		1		
22/ 21	1.7	3.3																3	3		11		
20/ 19		1.7																1	1		6		
18/ 17		1.7																1	1		8		
16/ 15			5.0															3	3		3		
14/ 13	1.7	1.7																2	2		4		
12/ 11																					7		
10/ 9																					5		
8/ 7		1.7																1	1		3		
6/ 5		1.7																1	1		2		
2/ 1																					1		
0/ -1																					2		
TOTAL	6.7	28.3	15.0	13.3	8.3	13.3	8.3	5.0		1.7								60	60	60	60		
Element (X)	Σ x ²		Σ x		x̄		s _x		No. Obs.		Mean No. of Hours with Temperature												
Ref. Num.	230104		3500		58.3		20.9		60		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total
Dry Bulb	68891		1915		31.8		11.4		60				46.5										93
Wet Bulb	45636		1584		26.4		8.0		60				74.4										93
Dew Point	20735		1026		17.1		7.3		60		3.1		91.5										93

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94015 FORT CARSON CO/BUTTS AAF
STATION STATION NAME

67-75
YEARS

MAR
MONTH

PAGE 1 0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31					Dry Bulb	Wet Bulb	Dew Point
64/ 63											.1	.1									2	2		
62/ 61											.3										2	2		
60/ 59									.3	.3					.1						5	5		
58/ 57								.1	.3	.4	.6										10	10		
56/ 55									.1	.4											4	4		
54/ 53								.6	.6	.3											14	14		
52/ 51					.1		.3	.7	1.1		.1										17	17		
50/ 49						.6	.6	1.0	.3	.1											18	18		
48/ 47						.4	1.4	.8	.3												21	21		
46/ 45					.3	1.1	.8	.8	.6												26	26		
44/ 43					.4	1.4	.8	.1													20	20	8	
42/ 41			.1	.3	.7	1.4	1.3	.1													28	28	9	
40/ 39		.4	.4	.8	1.0	1.7	.4														34	34	17	
38/ 37		.1	.8	1.7	2.4	.6															42	42	31	1
36/ 35		.4	2.1	1.4	1.8	.4															44	44	50	2
34/ 33		1.1	2.4	3.4	1.0	.3	.1														59	59	48	6
32/ 31		2.1	2.8	2.0	.6																53	53	70	
30/ 29	.3	2.0	2.0	2.5	.4																51	51	93	17
28/ 27	.7	2.9	3.1	.8	.1																55	55	86	42
26/ 25	.3	2.0	2.2	1.1																	44	44	63	56
24/ 23	1.0	2.9	1.4	.3																	40	40	61	46
22/ 21	1.0	2.1	.7	.3																	29	29	49	76
20/ 19	1.0	2.2	.4																		26	26	40	87
18/ 17	.4	1.3	.3	.1																	15	15	22	74
16/ 15	.4	2.0	.3																		19	19	14	69
14/ 13	.1	1.1																			9	9	21	51
12/ 11	.4	1.3																			12	12	11	51
10/ 9	.4	.6																			7	7	12	46
8/ 7	.4	.4																			6	6	4	23
6/ 5		.3																			2	2	4	24
4/ 3																							1	24
2/ 1																								9
0/ -1																								4
-2/ -3																								5
Element (X)	ΣX^2				ΣX				\bar{X}	σ_x	No. Obs.		Mean No. of Hours with Temperature										Total	
Ref. Hum.													≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F						
Dry Bulb																								
Wet Bulb																								
Dew Point																								

PSYCHROMETRIC SUMMARY

67-75

MAR
MONTH

PAGE 2 0600-0800
HOURS (L. S. T.)

[illegible]

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94015 FORT CARSON CO/BUTTS AAF

67-75

MAR
MONTH

YEARS

PAGE 1 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb		Wet Bulb	Dew Point			
72/ 71											.1			.1				2	2					
70/ 69												.4	.1	.3	.1			7	7					
68/ 67												.4	.1	.4	.1			8	8					
66/ 65										.3	.4	.3	.1	.4	.1	.1		14	14					
64/ 63										.3	.3	.5	.5	.3				14	14					
62/ 61									.1	.2	1.4	.6						22	22					
60/ 59									1.1	.1	.8	.3						18	18					
58/ 57						.2		.6	1.0	1.6	.8							34	34					
56/ 55						.1	.3	1.4	2.5	1.1	.5							47	47					
54/ 53					.3	.3	.3	1.8	1.8	.5								38	38					
52/ 51					.3	.1	1.0	1.5	.9	.5								34	34	1				
50/ 49				.1			1.1	1.9	.4									28	29	2				
48/ 47					.3	1.5	1.0	.6	.5	.3								33	33	5				
46/ 45			.1	.3	.8	2.0	1.8	.4	.1									43	43	20				
44/ 43			.4	.5	.6	2.0	.6	.3										35	35	37				
42/ 41			.3	1.0	2.0	2.2	.5	.1										49	49	47	1			
40/ 39				1.4	1.3	1.6	.4											37	37	95	1			
38/ 37		.4	1.6	2.3	.6	.4	.1											44	44	71	5			
36/ 35		.5	2.4	1.0	.9	.5												42	42	79	8			
34/ 33		.8	1.4	1.5	1.0													37	37	79	9			
32/ 31	.1	.8	1.1	.3	.4	.1												22	22	84	9			
30/ 29	.4	1.3	1.1	1.1	.4	.1												35	35	49	47			
28/ 27	1.0	1.1	1.1	.8														32	32	48	67			
26/ 25	.6	2.4	.9	.5														36	36	41	69			
24/ 23	.8	.6	1.0	.1														20	20	47	73			
22/ 21	.9	1.1	.3	.3														20	20	26	81			
20/ 19	.3	.6	.5															11	11	20	72			
18/ 17		1.4	.1															12	12	12	69			
16/ 15		.4	.1															4	4	12	64			
14/ 13	.3	.5																6	6	5	45			
12/ 11		.1																1	1	4	42			
10/ 9	.1	.3																3	3	3	38			
8/ 7		.1																1	1	2	39			
6/ 5																					16			
Element (X)	Σx²		Σx		x̄		sₓ		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																								
Wet Bulb																								
Dew Point																								

PSYCHROMETRIC SUMMARY

67-75

DATE
MONTH

PAGE 2 0900-1100
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26.5 (OLA) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

5

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94015 FORT CARSON CO/BUTTS AAF
STATION STATION NAME

07-75

YEARS

MAR
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb		Dew Point		
76/ 75													.1		.1			2	2				
74/ 73											.1		.1	.1	.6	.4	.3	13	13				
72/ 71												.1	.3	.4	.5	.5	.1	15	15				
70/ 69												.4	1.5	.1	.5		.1	21	21				
68/ 67										.1	.5	.9	.5	.4	.1			20	20				
66/ 65										.4	.9	.8	.6	.3	.1			24	24				
64/ 63									.1	.3	.9	2.3	.5					32	32				
62/ 61								.3	.3	.6	1.4	1.8	.4					31	31				
60/ 59								.5	1.1	1.4	2.0	.4						43	43				
58/ 57						.1	.1	1.3	1.9	2.5	.9	.3						56	56				
56/ 55						.3	1.0	1.0	1.5	1.1	.1							40	40				
54/ 53						.4	.9	1.4	1.4	.8								38	38		1		
52/ 51					.1	.6	1.1	1.1	.9	.4								34	34		1		
50/ 49					.1	.6	1.1	.4	.5	.3								25	25		3		
48/ 47				.5	1.0	.6	1.0	1.0	.8	.1								40	40		27		
46/ 45			.1	.4	.8	.4	.9	1.1	.3									47	47		46		
44/ 43				.3	1.3	1.4	.3		.1									26	26		70		
42/ 41		.3	.3	.8	.8	.8	.1											25	25		101		
40/ 39		.1	.5	1.6	1.9	.5	.9											44	44		103		
38/ 37		.1	1.0	1.8	.3	.3												27	27		71		
36/ 35		.3	1.9	.8	1.0													31	31		67		
34/ 33		1.1	.4	.9	1.0													24	24		55		
32/ 31	.1	.8	.6	.8	.1	.1												21	21		73		
30/ 29	.3	.9	.6	1.4	.3													27	27		28		
28/ 27	.5	.9	1.1	.5	.1													25	25		32		
26/ 25	1.0	1.1	.8	.3														25	25		41		
24/ 23	.1	.1	.6	.3														9	9		23		
22/ 21		.5	.4															7	7		17		
20/ 19		.5	.3															6	6		8		
18/ 17		.6	.1															6	6		11		
16/ 15		.5																4	4		9		
14/ 13		.1																1	1		2		
12/ 11		.3																2	2		1		
10/ 9																					1		
Element (X)	ΣX^2		ΣX		\bar{X}		σ_X		No. Obs.		Mean No. of Hours with Temperature						Total						
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total						
Dry Bulb																							
Wet Bulb																							
Dew Point																							

USAFETAC FORM 0-26-5 (OL A) JUL 64

REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

440
MONTH

PAGE 2 1200-1400
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
WH 44
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

HAR
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

MAR
MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

USAFETAC FORM 0-26.5 (OL A)
JUL 64

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94015 FORT CARSON CO/BUTTS AAF

68-75

MAR

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL																	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																			
74/ 73																.2																		1	1				
72/ 71																.2																		1	1				
70/ 69																.5																		5	5				
68/ 67																																		1	1				
66/ 65																																		3	3				
64/ 63																																		7	7				
62/ 61													.2																					5	5				
60/ 59													.6																					12	12				
58/ 57												.2	1.1	1.3																				21	21				
56/ 55												.8	.7	.8																					18	18			
54/ 53											.5	.7	1.0	2.0	.5																				33	33			
52/ 51							.2	.8	1.3	1.0	.2																								21	21			
50/ 49								1.0	.8	2.0	1.1																								30	30			
48/ 47						1.2	1.8	1.1	1.1	.7	.2																								37	37	1		
46/ 45				.2	.2	1.0	1.8	2.0	1.5	.2																									41	41	5		
44/ 43				.2	1.1	.8	2.5	1.0	.7																										30	38	7		
42/ 41			.2	.7	.7	2.3	1.3	.8	.2																										37	37	36		
40/ 39				.5	.8	1.6	1.1	.8																											30	30	51		
38/ 37			.5	1.5	1.3	1.8	.5	.5																											36	36	68		
36/ 35			.8	2.0	1.8	1.1	.3	.2																											38	38	62	5	
34/ 33		1.5	.8	1.9	.3	.3																													27	27	87	7	
32/ 31	.2	2.1	2.1	.7	.2																														22	32	58	19	
30/ 29	.2	1.0	.5	1.3	.2																														19	19	54	28	
28/ 27	.7	1.5	.8	.7																															22	22	50	47	
26/ 25	.7	1.0	1.0																																16	16	27	41	
24/ 23	.3	3.1	.8	.2																															27	27	22	56	
22/ 21	1.0	1.3	.8																																19	19	35	50	
20/ 19	1.0	.8	.5																																14	14	21	78	
18/ 17	.5	1.0	.5																																12	12	9	52	
16/ 15		.7	.2																																5	5	8	57	
14/ 13		.2																																	1	1	7	38	
12/ 11		.2																																	1	1	1	44	
10/ 9																																					1		20
8/ 7																																						14	
Element (X)	Σ X'					Σ X					X̄					σ _x					No. Obs.					Mean No. of Hours with Temperature													
Rel. Hum.																										≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																																							
Wet Bulb																																							
Dew Point																																							

USAFETAC FORM 0-26-5 (OL A) JUL 64

REVISOR NEW EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

48-75

MAR
MONTH

PAGE 2 1800-2000
HOURS (L. S. T.)

[illegible]

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

94015 FORT CARSON CO/BUTTS AAF

68-75

MAR
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
66/ 65											.3							1	1						
64/ 63											.3							1	1						
62/ 61												.7						2	2						
60/ 59													.7					4	4						
58/ 57									.3	.7	.7							5	5						
56/ 55								.3	.7	.7	.3							6	6						
54/ 53									.3	1.0								4	4						
52/ 51							1.0	1.0			.3							7	7						
50/ 49						.3	.3	1.0	.7									7	7						
48/ 47						.7	1.0	2.1	.3									12	12						
46/ 45					1.0	1.7	1.7	1.4										17	17	1					
44/ 43				.3	1.4	.7	2.4		.7									16	16	1					
42/ 41			.3	1.4	.3	1.7	.3											12	12	5					
40/ 39			.3	.7	3.8	.7	.7											18	18	13					
38/ 37		.3	2.1	1.0	3.1	.7												21	21	19					
36/ 35			1.4	1.7	2.7	.7												19	19	27					
34/ 33	.3	2.1	2.1	1.7	2.1													24	24	26	1				
32/ 31	.3	1.4	2.1	.7	1.0	.7												18	18	42	6				
30/ 29		3.8	3.4	1.0	.3	.3												26	26	30	14				
28/ 27	1.0	1.4	1.7	1.0		.3												16	16	38	21				
26/ 25	1.4	.7	1.4	.3														11	11	23	22				
24/ 23	1.0	1.4	.7															9	9	15	26				
22/ 21	.3	1.7	.3															7	7	15	23				
20/ 19	1.7	2.1	1.0															14	14	13	37				
18/ 17	.3	1.0																4	4	8	32				
16/ 15	1.0	.7	.7															7	7	9	21				
14/ 13	.3	.3	.3															3	3	2	20				
12/ 11																				3	25				
10/ 9		.3																1	1	2	23				
8/ 7																					4				
6/ 5																					2				
4/ 3																				1	3				
2/ 1																					3				
0/ -1																					1				
Element (X)	Σ X'			Σ X			Σ			Σ			Σ			Σ			Σ			Σ			
Rel. Hum.																									
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

PSYCHROMETRIC SUMMARY

YEARS

YEAR
MONTH

PAGE 2 2100-2300
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26.5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94015 FORT CARSON CO/BUTTS AAF

70-75

YEARS

APR
MONTH

PAGE 1 0300-0500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
56/ 55								1.4			1.4							2	2					
54/ 53						1.4												1	1					
52/ 51					1.4				1.4									2	2					
50/ 49						1.4	1.4											2	2					
48/ 47							2.9	1.4										3	3					
46/ 45				2.9	1.4	1.4	4.3											7	7					
44/ 43			1.4			2.9	1.4											4	4	2				
42/ 41			2.9		1.4	4.3												6	6	1				
40/ 39		1.4	4.3			2.9	1.4											7	7	5	1			
38/ 37			1.4	2.9														3	3	5				
36/ 35			1.4	5.8	1.4	1.4												7	7	10	2			
34/ 33				1.4	2.9													3	3	5	3			
32/ 31		1.4	2.9	2.9	1.4													6	6	8	5			
30/ 29	1.4	4.3	2.9															6	6	9	3			
28/ 27	1.4	1.4	1.4															3	3	9	5			
26/ 25	1.4	1.4																2	2	8	2			
24/ 23																				2	6			
22/ 21		1.4	2.9															3	3		7			
20/ 19			1.4															1	1	3	9			
18/ 17																					6			
16/ 15																				1	3			
14/ 13																					4			
12/ 11																					5			
10/ 9		1.4																1	1		5			
8/ 7																				1	2			
2/ 1																					1			
TOTAL	4.3	13.0	23.2	15.9	10.1	15.9	11.6	2.9	1.4		1.4							69		69	69			
Element (X)	Σx'		Σx		x̄		s _x		No. Obs.		Mean No. of Hours with Temperature										Total			
Rel. Hum.	235020		3784		54.9		20.031		69		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 90 F				90				
Dry Bulb	102710		2586		37.5		9.228		69			28.7								90				
Wet Bulb	69166		2138		31.0		6.552		69			53.5								90				
Dew Point	34707		1443		20.9		8.161		69			82.2								90				

PSYCHROMETRIC SUMMARY

YEARS

APP
MONTH

PAGE 1 0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
70/ 69														.1				1	1					
68/ 67													.1					1	1					
66/ 65											.1	.3						3	3					
64/ 63									.3	.3	.1	.1	.1					7	7					
62/ 61								.3	.1	.1	.1	.4						8	8					
60/ 59						.1	.1	.9	.1	.3	.1							12	12					
58/ 57						.1	.4	.3	.7	.8	.3							17	17					
56/ 55						.4	.6	.1	.9	.4								17	17					
54/ 53				.3		.3	.7	.9	.7	.6								24	24					
52/ 51					.9	.4	1.3	.9	.4									27	27					
50/ 49				.3	.7	1.3	.7	1.0	.1									29	29	3				
48/ 47	.3	.1	.3	.6	.6	.3	1.8	.9										37	37	11	2			
46/ 45		.1	1.2	.7	1.3	2.5	1.3	.6	.1									54	54	13				
44/ 43		.9	1.6	1.3	1.8	1.2	.4	.7										54	54	41	1			
42/ 41		.4	1.3	1.9	1.5	.7	.6	.1										45	45	38	10			
40/ 39		.6	1.6	1.9	1.3	1.8	.7											50	50	62	14			
38/ 37	.6	1.2	2.5	2.5	.9	.6												56	56	72	18			
36/ 35	.6	1.9	2.7	1.9	1.5	.9												64	64	84	32			
34/ 33	.6	1.3	1.6	.9	.3	.3												34	34	85	38			
32/ 31	.6	.7	1.6	1.6	.3													33	33	68	42			
30/ 29	.6	2.4	1.3	.6	.3													35	35	58	50			
28/ 27	.7	1.8	.7	.3														24	24	59	59			
26/ 25		.3	1.6	.3														11	11	27	68			
24/ 23		.3	.7	.1														8	8	13	56			
22/ 21		.6																4	4	15	57			
20/ 19		.3																2	2	7	45			
18/ 17		.9																6	6	2	39			
16/ 15	.1	.6																5	5	7	32			
14/ 13	.1																	1	1	4	25			
12/ 11		.1																1	1		29			
10/ 9		.1																1	1	1	28			
8/ 7																				1	9			
6/ 5	.1																	1	1	1	6			
4/ 3																					2			
Element (X)	Σ X ²			Σ X			X̄			S _X			No. Obs.			Mean No. of Hours with Temperature								
Ref. Hum.																≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total		
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC
FORM
NR 44
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

67-75

APR
MONTH

PAGE 2 0600-0800
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
MIL 44
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

APR
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

APR
MONTH

PAGE 2 0900-1100
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM 0-26-5 (OL A)
JUL 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

67-75
YEARS

APR
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point	
80/ 79												.1		.1			.1	3	3		
78/ 77												.1	.3		.3	.1		6	6		
76/ 75													.3	.3	.3	.1	.1	8	8		
74/ 73											.3	.5	1.1	1.1	.8	.1		30	30		
72/ 71									.5	.1		.4	.7	1.1	.4		.3	26	26		
70/ 69								.1		.1	.3	.7	1.9	1.2	.1	.1		34	34		
68/ 67								.1		.7	.7	2.0	2.0	.4				44	44		
66/ 65							.1		.5	.7	1.5	1.6	.3	.3				37	37		
64/ 63								.5	.9	1.3	2.0	1.5						47	47		
62/ 61						.1	.1	.5	2.0	2.2	1.1	.5						49	49		
60/ 59					.1	.1	.6	.8	2.3	1.6	.8	.1						51	51	1	
58/ 57						.1	.5	1.5	2.7	1.2	1.1	.1						54	54		
56/ 55				.1	.3	.5	1.2	1.2	.9	1.2	.7							46	46	8	
54/ 53				.1	.4	.4	.5	1.2	1.1	1.1	.3							38	38	7	
52/ 51				.4	.6	1.0	.7	1.2	.4	.4	.5							47	47	15	
50/ 49			.1	.8	.4	.7	.5	1.1	.4									29	29	41	
48/ 47			.3	.1	.9	.7	.7	.1	.5									25	25	67	
46/ 45			.6	.4	.9	.4	.7	.4	.4									30	30	106	
44/ 43		.3	.4	.8	.3	.1	.3	.3										18	18	119	
42/ 41			.3	.3	.7	.4	.3	.1										15	15	98	
40/ 39		.5	.3	1.6	.6													24	24	60	
38/ 37		.4	.6	.9	.1													17	17	52	
36/ 35	.1	.4	.5	.5														12	12	42	
34/ 33	.1	.7	.5	.7	.1													16	16	51	
32/ 31		.9	.5	.4	.1													15	15	29	
30/ 29		.3	.3	.1														9	9	19	
28/ 27			.3	.1														3	3	16	
26/ 25																				2	
24/ 23		.3																2	2	5	
22/ 21		.5																4	4	3	
20/ 19																				3	
18/ 17																					
16/ 15																					
14/ 13																					
Elément (X)	Σ X ²		Σ X		X̄		s _x		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total				
Dry Bulb																					
Wet Bulb																					
Dew Point																					

PSYCHROMETRIC SUMMARY

APR
MONTH

PAGE 2 1200-1400
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM 0.26-5 (OLA)
JUN 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

67-75

APR
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0.26-5 (01 A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

87-75

APR
MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26.5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY:

YEARS

APR
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
MIL 0-6
0-26.5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

Q-75

APR
MONTH

PAGE 2 1800-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

CR-75

APP
MONTH

PAGE 2 2100-2300
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

APP.
MONTH

YEARS

HOUPS (L. S. T.)

USAFETAC FORM JUL 68 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1 MAY
MONTH 0300-0500
HOURS (L. S. T.)

USAFETAC
FORM
JUL 64
0-26.5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

57,50-70

MAY
MONTH

PAGE 4 0300-0500
HOURS (L. S. T.)

USAFETAC FORM 0-26.5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94015 FORT CARSON CD/BUTTS AAF

67-75

YEARS

DAY
MONTH

PAGE 1

0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
80/ 79													.1					1	1						
78/ 77											.1			.1	.1			3	3						
76/ 75											.1		.4					4	4						
74/ 73											.2		.2					4	4						
72/ 71										.1	.3	.3						5	5						
70/ 69									.2	.2	.9	.5						15	15						
68/ 67								.4	.3	.8	.3	.4		.1				17	17						
66/ 65						.1	.3	.1	.7	.4	.3	.4	.1					18	18						
64/ 63					.1	.2	.3	.9	1.1	.7	.4	.1	.1					30	30						
62/ 61				.3	.2	1.1	.7	.7	1.9	.5	.1		.1					41	41						
60/ 59					.7	.7	1.1	1.5	.9	.5	.1							41	41						
58/ 57		.1	.4	.4	.8	1.2	1.6	1.3	.8	.1	.1							54	54		1				
56/ 55		.4	.4	.6	.7	1.3	.9	1.2	.5	.3								49	49		10				
54/ 53		.2	.7	.7	1.1	1.9	1.5	.7	.5									54	54		21				
52/ 51		.5	.7	.9	2.4	1.6	.8	.7	.1									58	58		41				
50/ 49		.5	1.1	1.5	1.7	.9	1.1	.5										55	55		67				
48/ 47	.1	1.2	1.3	2.8	1.9	1.4	.5	.3	.1									73	74		65				
46/ 45	.3	2.4	2.9	.9	.9	.5	.7	.4										71	71		94				
44/ 43	.1	2.0	2.5	1.9	.5	.4	.3											58	58		110				
42/ 41	.4	1.1	.7	.8	.1	.2	.1											26	26		111				
40/ 39	.7	.7	1.1	.3	.1	.3	.1											24	24		78				
38/ 37	.4	.3	.9	.4	.3	.3	.1											20	20		54				
36/ 35		.7	.1	.5	.3													12	12		39				
34/ 33		.7	.1	.3														8	8		15				
32/ 31		.3		.5														6	6		22				
30/ 29																					9				
28/ 27				.1														1	1		5				
26/ 25																					5				
24/ 23																					1				
22/ 21																									
20/ 19																									
18/ 17																									
16/ 15																									
14/ 13																									
Element (X)	ΣX^2		ΣX		\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature												Total		
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F									
Dry Bulb																									
Wet Bulb																									
Dew Point																									

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FORM 0-26.5 (OL A)
JUL 64

USAFETAC

PSYCHROMETRIC SUMMARY

67-75

MAY
MONTH

PAGE 2 0600-0800
HOURS (L. S. T.)

[illegible]

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

94015 FORT CARSON CO/BUTTS AAF

07-75

MAY
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
84/ 83												.3	.1	.1	.1	.8	.3	13	13				
82/ 81												.1	.3		.5	.1	.4	11	11				
80/ 79												.1	.3	.6	.4	.1		12	12				
78/ 77											.3		.6	.4	.6	.1		16	16				
76/ 75									.4	.3	.5	1.4	1.0	1.4	.1			40	40				
74/ 73									.3	.6	1.3	1.3	1.4	.6	.5			47	47				
72/ 71					.1				.8	.5	.9	1.3	.8	.4	.1	.1		39	39				
70/ 69						.1	.5	.3	1.6	.9	1.4	.9	1.1	.1	.1			56	56				
68/ 67						.1	.3	1.4	.8	1.1	1.1	1.0	.4					49	49				
66/ 65							.6	1.0	.6	1.1	1.0	.8	.3					48	48				
64/ 63					.6	.4	1.6	1.1	1.0	1.5	.6	.6	.1					61	61	1			
62/ 61				.1	.6	.8	.9	.9	.8	.9	.6							43	43	3			
60/ 59				.3	.5	1.1	.5	1.1	1.1	1.1								46	46	10	1		
58/ 57				.3	.4	1.5	.9	1.0	1.0	.6	.1							46	46	15			
56/ 55		.1	.1	.4	1.3	1.5	.9	.1	.1		.1							46	46	52			
54/ 53		.1	.4	.6	1.3	.9	.8	.5	.5	.3								44	44	87	1		
52/ 51		.3	.8	1.4	.8	.6	.6	.3	.4									40	40	82	14		
50/ 49		.4	.6	.8	1.5	.4	.1	.4	.1									33	33	96	18		
48/ 47	.1	.8	.8	.4	.5	.3	.1	.4										26	26	106	17		
46/ 45		1.4	1.3	.3	.1	.1		.3										27	27	106	38		
44/ 43	.1	.8	.5	.6		.5												20	20	82	61		
42/ 41		.4	.5	.4	.3													12	12	67	57		
40/ 39	.5	.3	.3	.3	.1													11	11	34	75		
38/ 37		.3		.1														3	3	19	63		
36/ 35	.1	.5			.1													6	6	18	66		
34/ 33		.1		.1														2	2	13	61		
32/ 31																				4	58		
30/ 29																					44		
28/ 27																				2	50		
26/ 25																					33		
24/ 23																					15		
22/ 21																					32		
20/ 19																					27		
18/ 17																					19		
Element (X)	Σ X ²		Σ X		X̄		σ _x		No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total
Dry Bulb																							
Wet Bulb																							
Dew Point																							

PSYCHROMETRIC SUMMARY:

YEARS

4AY
MONTH

PAGE 2 0900-1100
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM 0-26.5 (OL A)
JUL 54
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94015 FORT CARSON CO/BUTTS AAF 67-75 MAY
STATION STATION NAME YEARS MONTH
PAGE 1 1200-1400
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
95/ 89																	.2	2	2				
88/ 87																	.5	4	4				
86/ 85																.2	.9	9	9				
84/ 83												.1	.1	.2	.2	.6	.2	13	13				
82/ 81														.5	.4	.5	.2	13	13				
80/ 79										.2	.4	.5	1.0	1.9	1.4	.6	.2	50	50				
78/ 77									.1	.2	1.0	.5	1.4	.9	.9		.1	41	41				
76/ 75									.4	.1	.9	1.7	1.2	1.6	.7	.4		57	57				
74/ 73								.1	.7	.5	1.9	1.4	2.1	1.1	.7	.7		75	75				
72/ 71								.2	.7	1.2	1.7	.9	.7	.1	.1			47	47				
70/ 69								.9	.7	.7	1.5	1.1	1.2	.1				51	51				
68/ 67						.1	.1	1.0	1.0	.7	.9	1.6	.5		.1			49	49				
66/ 65						.4	.7	.9	.7	1.7	.6	1.0		.1				50	51				
64/ 63				.1	.2	.5	1.9	1.7	.6	.7	.7	.7						59	59	1			
62/ 61					.2	1.5	1.4	.6	1.1	1.4	.5							54	54	3			
60/ 52				.1	.4	.9	.6	.9	.4	.2	.4							31	31	16			
58/ 57			.2	.4	.7	.5	1.1	.7	.2	.2	.1							35	35	33			
56/ 55				1.1	.5	1.2	.7	.4	.4	.3	.1							38	38	57			
54/ 53			.2	.2	1.1	.4	.2		.1	.2								21	21	115	1		
52/ 51			.1	.5	.5	.7		.2	.1	.1								19	19	117	10		
50/ 49		.1	.9	.7	.1	.1	.2											18	18	124	14		
48/ 47		.9	.7	.6	.1	.1	.5											18	18	90	21		
46/ 45	.1	.2	1.1	.6	.2													19	19	86	43		
44/ 43		.1	.2	.2		.1												5	6	57	54		
42/ 41		1.0	.7			.1												15	15	42	51		
40/ 39	.1	.4	.1															5	5	30	77		
38/ 37	.1																	1	1	17	83		
36/ 35																				10	54		
34/ 33	.1	.2																3	3	2	66		
32/ 31		.1																1	1	3	59		
30/ 29																				1	43		
28/ 27																					38		
26/ 25																					22		
24/ 23																					28		
Element (X)	Σ x ²		Σ x		x̄		s _x		No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total
Dry Bulb																							
Wet Bulb																							
Dew Point																							

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

67-75

MAY
MONTH

PAGE 2 1200-1400
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
JUL 64
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

5, Y
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

47-75

YEARS

14
MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

USAFETAC FORM 0-26.5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94015 FORT CARSON CO/BUTTS AAF
STATION STATION NAME

07-75

YEARS

1900-2000
MONTH

PAGE 1

1900-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dry Bulb	Wet Bulb
86/ 85																	.2	1	1	
84/ 83																	.2	1	1	
82/ 81																	.2	1	1	
80/ 79												.3		.5	.2	.2	.3	9	9	
78/ 77											.2	.3	.6	.2	.5			11	11	
76/ 75										.5	.6	.6	.6	1.1	.5			25	25	
74/ 73								.2		.2	1.4	1.4	.6	.6				29	29	
72/ 71									.5	.9	.2	.5	.9	.5	.2			23	23	
70/ 69							.2	.2	.5	.8	1.5	.9	.5	.5				32	32	
68/ 67					.2		.2	1.2	1.5	1.2	1.4	2.0	.6	.2				56	56	
66/ 65					.2	.2	.6	1.4	1.1	1.1	.6	.9	.3					41	41	
64/ 63					.2	.3	1.4	2.0	1.4	1.1	1.2	.3	.2					53	53	
62/ 61				.2	.3	.5	1.5	.8	.6	1.1	.6	.5	.2					44	44	
60/ 59			.2		.5	1.2	1.4	.2	.5	.5	.5							32	32	5
58/ 57			.3	.2	1.7	1.4	.6	.8	1.1	.6	.2							44	44	6
56/ 55		.3	.5	1.7	1.5	1.7	.8	1.5	.6	.5	.2							61	61	25
54/ 53		.2		1.5	1.2	.6	.5	.6	.5	.3								35	35	56
52/ 51		.2	.3	1.3	1.2	.2	.2	.3										29	29	72
50/ 49		.3	.6	1.5	.9	.2	.5		.2									25	25	105
48/ 47		.8	1.1	.9	.5		.2	.2	.2									24	24	87
46/ 45	.3	.3	1.2	2.0	.2	.3	.5	.3										33	33	92
44/ 43		.2	.5	.9	.2	.3	.2											15	15	63
42/ 41		.5		.6	.2		.2											9	9	48
40/ 39		1.5	.2	.3				.2										13	13	38
38/ 37		.2		.5														4	4	24
36/ 35				.2														1	1	14
34/ 33		.2																1	1	10
32/ 31	.2	.2																2	2	6
30/ 29																				3
28/ 27																				
26/ 25																				
24/ 23																				
22/ 21																				
20/ 19																				
Element (X)	ΣX^2		ΣX		\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature						Total			
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 9° F				
Dry Bulb																				
Wet Bulb																				
Dew Point																				

REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FORM 0-26-5 (OL A)
JUL 64

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

4AY
MONTH

HOURS (L, S, T.)

USAFETAC
FORM
JUL 64
0.26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

70-75

YEARS

22 AY
MONTH

2100-2300
HOURS (L. S. T.)

USAFETAC FORM 0-26.5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 64

PSYCHROMETRIC SUMMARY

70-75

MAY
MONITOR

PAGE 2 2100-2300
HOURS (L. S. T.)

[illegible]

5

DATA PROCESSING BRANCH
USAF LTAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94015 FORT CARSON CO/BULTS AAF 07.69-75 JUN
STATION STATION NAME YEARS MONTH
PAGE 1 0300-1500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15	16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
72/ 71													.5	.5						2	2				
68/ 67									1.1			.5								3	3				
66/ 65					.5			.5	1.1		.5									5	5				
64/ 63				.5			1.0	1.0	.5	.5										9	9				
62/ 61			.5	1.0	1.1	1.1	2.1	1.1		.5										15	15				
60/ 59		.5	1.1	2.1	3.2	3.2	1.0	1.1												24	24	1			
58/ 57			.5	3.2	2.1	2.1														15	15	5			
56/ 55		2.1	3.2	2.1	2.0	3.7	1.0	.5												30	30	8	4		
54/ 53	.5	2.1	2.0	2.1	3.2	2.0														25	25	13	7		
52/ 51		1.1	.5	1.0	3.2	2.0	.5	.5												19	19	21	7		
50/ 49	1.1	.5	2.0	2.0	1.1				.5											16	16	34	11		
48/ 47	1.1	1.0	.5		1.1															8	8	20	23		
46/ 45		.5	.5	.5	2.1															7	7	35	13		
44/ 43			.5	.5																2	2	12	21		
42/ 41		.5	1.1																	3	3	9	9		
40/ 39		.5		1.1		.5														4	4	8	21		
38/ 37	.5			.5																2	2	7	24		
36/ 35																						1	14		
34/ 33																						3	10		
32/ 31																							7		
30/ 29																						1	7		
28/ 27																							7		
26/ 25																							1		
20/ 19																							1		
10/ 9																							1		
8/ 7																							1		
TOTAL	3.2	9.5	13.0	18.5	20.1	15.3	7.9	5.3	3.7	.5	1.0	.5								189	189	189	189		

USAFETAC FORM 0-26-5 (OLA) JUL 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94015 FORT CARSON CO/BUTTS AAF

67-75

JUN
MONTH

PAGE 1

0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
84/ 83														.1	.1	.1		3	3					
82/ 81											.1		.1	.4		.1	.1	7	7					
80/ 79											.1		.1			.3	.1	6	6					
78/ 77										.1	.4	.7	.1	.1	.1			12	12					
76/ 75							.1			.3	.8	.9	.3		.1			19	19					
74/ 73							.1	.1	.3	.7	1.1	.4	.1					21	21					
72/ 71					.3		.3	.8	1.5	1.5	.4							35	35					
70/ 69				.1		.4	.4	1.1	1.6	1.2	.8							42	42					
68/ 67				.1	.1	.9	.7	1.8	1.9	.6	.4	.1						50	50					
66/ 65				.1	.9	1.5	1.6	1.7	1.9	.2	.4							63	63	1				
64/ 63				1.2	1.5	1.5	1.7	2.0	.7	.9								68	68	3				
62/ 61			.2	2.1	1.5	1.5	2.4	2.8	.9	.1								88	88	6	1			
60/ 59		.5	.5	1.3	2.4	1.5	1.9	1.1	.1	.3								72	72	17	2			
58/ 57		.4	1.7	.9	.9	1.8	1.2	.2	.4									26	56	59	5			
56/ 55	.1	.7	1.5	1.3	1.3	1.9	.4	.5										58	58	97	16			
54/ 53	.2	.7	.5	.3	1.2	1.1	.4	.1										38	38	120	34			
52/ 51	1.1	1.1	.5	.7	.8	.7	.3											38	38	117	52			
50/ 49	.7	.8	.8	1.5	.2	.1			.1									32	32	114	54			
48/ 47	.1	.1	.4		.7	.4												13	13	80	68			
46/ 45	.1	.4	.3		.3													8	8	56	72			
44/ 43	.1	.3	.4	.1														7	7	29	63			
42/ 41		.3	.3	.1														5	5	22	60			
40/ 39		.1	.3															3	3	14	87			
38/ 37	.4																	3	3	10	70			
36/ 35																				2	59			
34/ 33																					32			
32/ 31																					22			
30/ 29																					12			
28/ 27																					14			
26/ 25																					13			
24/ 23																					4			
22/ 21																					2			
20/ 19																					1			
14/ 13																					2			
Element (X)	ΣX^2		ΣX		\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature							Total						
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISD WET. NUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

JUN
MONTH

PAGE 2 0600-0800
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

JUN
MONTH

0900-1100
HOURS (L. S. T.)

[illegible]

5

2

67-79

YEARS

14
MONTH

0900-1100

USAFETAC FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING FRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94015 FORT CARSON CO/BUTTS AAF 67-75 JUN
STATION STATION NAME YEARS MONTH
PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point					
96/ 95																	1.0	8	6							
94/ 93																.1	.3	1.4	15	15						
92/ 91										.1							.1	2.3	20	20						
90/ 89										.1	.1			.4	.5	.2	.3	2.4	34	34						
88/ 87												.1	.1	.3	.6	.9	2.3	34	34							
86/ 85										.3	.3	.4	1.3	.6	.2	1.7	.6	45	45							
84/ 83									.1		.3	.6	1.7	1.7	1.3	.6	.5	53	53							
82/ 81							.4		.1		.5	1.3	2.2	2.6	1.5	1.0	.3	76	76							
80/ 79									.1	.4	1.8	1.9	1.5	1.5	.1	.1		59	59							
78/ 77							.3	.1	.6	2.0	1.3	2.9	1.2	.8	.6			83	83							
76/ 75								.8	.5	2.0	1.0	2.6	1.4	.6		.4		72	72							
74/ 73							.1	.3	.4	1.8	1.0	.8	1.5					54	54	1						
72/ 71							.3	.5	.8	1.4	1.1	.8	1.1	.9				53	53	4						
70/ 69							.1	.8	.6	.5	1.0	.4	1.0	.3	.1			38	39							
68/ 67					.3	.5	.9	1.1	.1	.9	.5	.3	.1					37	37	5	1					
66/ 65					.3	.3	.5	.5		.5	.5							20	20	11	3					
64/ 63					.6	.5	.6	.3	.3	.3	.1							21	21	19	1					
62/ 61				.1	.3	.4	.3		.1									9	9	53						
60/ 59				.4	.8			.1										10	10	90	6					
58/ 57		.1	.2		.3		.3	.1	.1									9	9	157	5					
56/ 55						.1												1	1	152	10					
54/ 53		.1		.3	.4		.1											7	7	105	17					
52/ 51	.1	.8		.5	.1													17	12	71	42					
50/ 49	.1	.4	.1	.1														6	5	49	53					
48/ 47			.1															1	1	33	49					
46/ 45			.3	.1														3	2	18	82					
44/ 43		.1																1	1	5	57					
42/ 41	.1																	1	1	6	62					
40/ 39	.1																	1	1	1	68					
38/ 37		.1																1	1	1	48					
36/ 35																					63					
34/ 33																					49					
32/ 31																					43					
30/ 29																					31					
Element (X)	Σ X ²			Σ X			X̄		σ _x		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.													≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																										
Wet Bulb																										
Dew Point																										

USAFETAC FORM 0-26-5 (OL-A) JUL 64 REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

67-75

YEARS

JUL
MONTH

PAGE 2 1200-1400
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0.26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE MAC

PSYCHROMETRIC SUMMARY

94015 FORT CARSON CO/BUTTS AAF

7-75

JUL
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
98/ 97																	.3	2	2			
94/ 93															.1	.1	2.3	18	18			
92/ 91											.4			.3		.1	2.4	23	23			
90/ 89													.1	.2	.1	.1	2.0	22	22			
88/ 87												.6	.3	.4	.4	.6	2.4	35	35			
86/ 85												.1	.8	1.1	1.3	2.0	.6	42	42			
84/ 83												.8	1.4	1.4	2.5	1.4	1.0	61	61			
82/ 81							.1			.1	.1	.8	.7	2.5	1.8	.7	1.0	57	57			
80/ 79									.3	.4	1.0	1.7	2.4	1.3	.3	.6	.1	57	57			
78/ 77								.1	.8	1.1	1.4	2.1	2.7	1.1	.1	.3		70	70			
76/ 75							.1	.8	.4	1.0	1.4	2.7	1.3	1.8				68	68			
74/ 73						.1	.6	1.3	1.5	1.0	2.0	1.0	1.0	.4	.1			64	64			
72/ 71						.1	.6	1.1	1.0	.3	1.1	.1	.1					32	32	3		
70/ 69				.1		.7	.4	.6	.4	.3	.1	.8	.1					26	26	1		
69/ 67					.1			.7	.3	.6	.7	.6						21	21			
66/ 65				.1	.4	.2	.3	.8	.7	.3	.3	.3						23	23	11		
64/ 63			.1		.4	1.0	1.0		.1									19	19	14	4	
62/ 61			.1	.7	.4	.1	.3											12	12	52	1	
60/ 59				.8	.4	.1	.3		.4									15	15	86	2	
58/ 57			.1		.1	.1			.1									4	4	109	4	
56/ 55			.4	.6		.1												8	8	146	16	
54/ 53		.4	.4		.1													7	7	120	23	
52/ 51			.1	.1	.1													3	3	69	28	
50/ 49				.1														2	2	46	49	
48/ 47			.6															4	4	23	43	
46/ 45		.6	.7															9	9	11	56	
44/ 43		.3	.1															3	3	11	50	
42/ 41																				7	46	
40/ 39		.1																1	1	1	70	
38/ 37																					60	
36/ 35																					55	
34/ 33																					32	
32/ 31																					41	
30/ 29																					29	
Element (X)	Σ x²			Σ x			X			n _x			No. Obs.			Mean No. of Hours with Temperature						
Rel. Hum.																≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb																						
Wet Bulb																						
Dew Point																						

REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
FORM 0-26-5 (OL A)
JUL 64

USAF ETAC

PSYCHROMETRIC SUMMARY

67-75

YEARS

10
MONTH

PAGE 4 1500-1700
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
JUL 64
0.26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

5

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94015 FORT CARSON CJ/BUTTS AAF

07-75

YEARS

JUL
MONTH

PAGE 1 1800-2000

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
94/ 93																	.2	1	1			
92/ 91																	.3	2	2			
90/ 89														.2	.2		1.1	9	9			
88/ 87											.2			.2	.3	.3	.6	10	10			
86/ 85													.3	.2	.6	.8	.3	14	14			
84/ 83										.3		.2	.6	.5	1.7	.6	.6	27	29			
82/ 81									.2	.3	.3	.6	.8	.8	1.1	.5	.3	31	31			
80/ 79								.2		.2	.3	.6	2.3	1.5	.5	.3	.2	30	39			
78/ 77									.5	.6	1.1	1.2	1.2	.9	.8	.3	.2	44	44			
76/ 75							.2	.6	.3	1.7	1.4	1.7	1.1	.8	.6			54	54			
74/ 73					.2	.3	.3	.8	.6	1.8	1.5	1.7	.6		.3			53	53			
72/ 71				.2			.9	1.2	1.7	1.5	2.7	.6	.2	.3				61	61			
70/ 69				.2	.2	.6	.2	.8	1.4	2.0	.5	.6	.2	.2				43	43			
68/ 67					.2	1.1	1.4	1.2	1.7	1.4	.5	.3						50	50	3		
66/ 65				.2	.5	1.4	.8	1.7	.9	.6	.2							42	42	6		
64/ 63			.2	.6	1.4	1.1	1.1	.8	.2	.5	.3							41	41	8		
62/ 61			.3	.3	.6	.8	.8	.2	.5		.3							24	24	20	2	
60/ 59		.2	.6	.3	1.1	.6	.8	.8	.3									30	30	53	7	
58/ 57			.3	.5		1.2	.3	.3	.5									20	20	74	7	
56/ 55		.3	.3	.9			.3	.2										14	14	128	11	
54/ 53		.3	.3	1.1			.2	.2										13	13	101	24	
52/ 51	.2	.3	.3	.3		.2												9	9	98	29	
50/ 49	.2			.2														3	3	67	48	
48/ 47			.6	.3														6	6	40	43	
46/ 45		.3	.6															6	6	22	51	
44/ 43		.3	.3															4	4	16	53	
42/ 41		.2																1	1	12	47	
40/ 39		.2																1	1	4	64	
38/ 37		.3																2	2	2	63	
36/ 35																					48	
34/ 33																					30	
32/ 31																					28	
30/ 29						.2												1	1		34	
28/ 27																					18	
Element (X)	Σx ²		Σx		x̄		σ _x		No. Obs.		Mean No. of Hours with Temperature										Total	
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F						
Dry Bulb																						
Wet Bulb																						
Dew Point																						

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94015	FORT CARSON CU/BUTTS AAF
STATION	STATION NAME

67-75

JUN
MONTH

PAGE 2 1800-2000
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

Jul
MONTH

HOURS (U. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
82/ 81															.7			1	1					
80/ 79														.7	.7	.7		3	3					
78/ 77													.7	.7				2	2					
76/ 75											1.4	1.4	1.4			.7		7	7					
74/ 73						.7		.7	.7	2.0	.7					.7		8	8					
72/ 71							1.4	.7	1.4	3.4	2.0	.7	2.0					17	17					
70/ 69						.7		1.4	1.4	3.4	2.0	1.4						15	15					
58/ 67						2.0	.7	.7	2.7	2.0		.7	1.4	.7				16	16					
66/ 65				.7		1.4	2.0	2.0	1.4	.7								12	12					
64/ 63				.7	.7	4.1	2.0	2.7	3.4	1.4								22	22	1				
62/ 61			.7		.7	.7	2.0											6	6					
60/ 59				.7			.7	1.4	.7									5	5	6				
58/ 57		1.4		.7		2.7	.7	1.4										10	10	10				
56/ 55					.7	.7	1.4	.7										5	5	24				
54/ 53				.7	.7		.7	1.4										5	5	16				
52/ 51				.7	.7			1.4										4	4	25				
50/ 49				.7		.7												2	2	17				
48/ 47			1.4															2	2	20				
46/ 45				.7														1	1	6				
44/ 43		.7	.7															2	2	11				
42/ 41		.7																1	1	5				
40/ 39		.7																1	1	5				
38/ 37																				1				
36/ 35																				13				
34/ 33																				14				
32/ 31																				9				
30/ 29																				5				
28/ 27																				9				
26/ 25																				6				
24/ 23																				3				
22/ 21																				1				
14/ 13																				2				
12/ 11																				1				
10/ 9																				1				
Element (X)	ΣX ²	ΣX				X̄		σ _x		No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.												≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total						
Dry Bulb																								
Wet Bulb																								
Dew Point																								

PSYCHROMETRIC SUMMARY.

75-76

YEARS

1111
MONTH

PAGE 2 2100-2300
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
JUL 64
0.26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94015 FORT CARSON CO/BUTTS AAF
STATION STATION NAME

27, 69-75
YEARS

JUL
MONTH

PAGE 1 0300-0500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point	
72/ 71										.5		.5		.5				3	3			
70/ 69										.5		.5						2	2			
68/ 67						.5	2.0	1.0										8	8			
66/ 65					3.0	2.0	3.5	.5		.5		1.0						21	21			
64/ 63			.5	2.0	4.0	3.0	1.5	1.5	.5									26	26			
62/ 61		1.0	.5	2.0	6.4	4.0	3.0	.5		.5								36	36			
60/ 59	.5	3.5	5.0	5.0	5.0		1.0	.5	1.0									45	45	9	5	
58/ 57	2.5	2.0	3.0	4.5	2.0													27	27	24	6	
56/ 55		3.0	3.5	2.0	1.0													19	19	40	12	
54/ 53		1.0	2.0	1.0														8	8	57	25	
52/ 51			1.0															2	2	30	20	
50/ 49		1.5	.5		.5													5	5	26	32	
48/ 47																				8	33	
46/ 45																				3	23	
44/ 43																				5	14	
42/ 41																					6	
40/ 39																					7	
38/ 37																					5	
36/ 35																					2	
34/ 33																					2	
32/ 31																					3	
30/ 29																					2	
28/ 27																					1	
26/ 25																					1	
24/ 23																					1	
22/ 21																					2	
TOTAL	2.5	11.9	15.0	17.3	21.8	9.4	10.9	4.0	1.5	2.0	.5	2.0		.5				202	202	202	202	
Element (X)	ΣX'		ΣX		X̄		s _x		No. Obs.		Mean No. of Hours with Temperature										Total	
Rel. Hum.	937502		13251		65.6		18.427		202		≤ 0 F	≤ 32 F	≥ 47 F	≥ 73 F	≥ 80 F	≥ 93 F					93	
Dry Bulb	740232		12198		60.4		4.257		202				6.0								93	
Wet Bulb	574390		10750		53.2		3.382		202												93	
Dew Point	467821		9619		47.6		4.974		202				4.6								93	

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94015 STATION FORT CARSON CO/BUTTS AAF STATION NAME 27.69-75 YEARS JUL MONTH

PAGE 1 0300-0500 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point			
72/ 71										.5		.5		.5				3	3					
70/ 69										.5		.5						2	2					
68/ 67						.5	2.0	1.0			.5							8	8					
66/ 65					3.0	2.0	3.5	.5		.5		1.0						21	21					
64/ 63			.5	2.0	4.0	3.0	1.5	1.5	.5									26	26					
62/ 61		1.0	.5	2.0	6.4	4.0	3.0	.5		.5								36	36					
60/ 59	.5	3.5	5.0	5.0	5.0		1.0	.5	1.0									45	45	9	5			
58/ 57	2.0	2.0	3.0	4.5	2.0													27	27	24	6			
56/ 55		3.0	3.5	2.0	1.0													19	19	40	12			
54/ 53		1.0	2.0	1.0														8	8	57	25			
52/ 51			1.0															2	2	30	20			
50/ 49		1.5	.5		.5													5	5	26	32			
48/ 47																				8	33			
46/ 45																				3	23			
44/ 43																				5	14			
42/ 41																					6			
40/ 39																					7			
38/ 37																					5			
36/ 35																					2			
34/ 33																					2			
32/ 31																					3			
30/ 29																					2			
28/ 27																					1			
26/ 25																					1			
24/ 23																					1			
22/ 21																					2			
TOTAL	2.5	11.9	15.0	17.3	21.8	9.4	10.9	4.0	1.5	2.0	.5	2.0		.5				202	202	202	202			
Element (X)	Σx'		Σx		x̄		s _x		No. Obs.		Mean No. of Hours with Temperature										Total			
Rel. Hum.	937502		13251		65.6		18.427		202		≤ 0 F	≤ 32 F	≥ 47 F	≥ 73 F	≥ 80 F	≥ 93 F								
Dry Bulb	740232		12198		60.4		4.257		202				6.0											
Wet Bulb	574390		10750		53.2		3.382		202															
Dew Point	407821		9619		47.6		4.974		202				4.0											

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

Jul
MONTH

PAGE 1 0600-0800
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0.26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

4.7-75

YEARS

JUL
MONTH

PAGE. 2 0600-0800
HOURS (L. S. T.)

[illegible]

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94015 FORT CARSON CO/BUTTS AAF

67-75

YEARS

JUL
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
96/ 95																	.1	1	1			
94/ 93																	.1	2	2			
92/ 91																.1	.5	.9	12	12		
90/ 89															.5	.4	.9	1.3	25	25		
88/ 87											.1	.1	1.3	.9	1.4	.5	.6	.3	39	39		
86/ 85										.1	.3	1.1	1.0	1.5	.4	.3	.5	.5	46	46		
84/ 83										.5	.9	2.6	3.0	.9	.5	.5	.4	.4	74	74		
82/ 81									.3	1.4	2.2	4.0	1.3	1.1	.3		.1	.1	90	90		
80/ 79								.6	2.0	2.3	2.3	1.3	.3	.1	.4		.1	.1	74	74		
78/ 77							.6	1.8	2.0	1.8	2.2	.4		.1	.1	.1		.1	87	87		
76/ 75				.1	.1	.4	2.4	2.4	2.4	2.1	1.0	.3	.1	.1					91	91		
74/ 73					.2	1.3	2.0	.9	.8	.4	.5	.3							50	50		
72/ 71					.1	1.1	2.3	1.4	.6	.1		.3							47	47		
70/ 69				.3	1.4	2.3	1.1	.2	.1	.1									42	42	1	
68/ 67				.4	1.0	.9	.5	.3	.1		.3								27	27	4	
66/ 65																						
64/ 63		.1	.1	.2	.1	.1	.1		.1									.1	.1	122		
62/ 61		.2	.2	.2	.1	.1												.2	.2	126		
60/ 59		.1	.2	.4	.1													10	10	212	29	
58/ 57				.1														.1	.1	106	4	
56/ 55		.3		.1														3	3	54	80	
54/ 53		.4		.1														4	4	25	92	
52/ 51		.3	.1															3	3	24	95	
50/ 49		.6																5	5	16	87	
48/ 47																				4	103	
46/ 45																					66	
44/ 43																					45	
42/ 41																					28	
40/ 39																					29	
38/ 37																					12	
36/ 35																					6	
34/ 33																					9	
32/ 31																					8	
30/ 29																					10	
Element (X)	Σ X ²		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Rel. Hum.																						
Dry Bulb																						
Wet Bulb																						
Dew Point																						

PSYCHROMETRIC SUMMARY

1.7-75

YEARS

July
MONTH

PAGE 2 0900-1100
HOURS (L. S. T.)

[illegible]

FORM 0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94015 STATION FORT CARSON CO/BULTS AAF STATION NAME 07-75 YEARS PAGE 1 1200-1400 MONTH JUL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
98/ 97																	.5	4	4		
96/ 95																	.1	1.4	12	12	
94/ 93														.3	.1	.3	1.8	19	19		
92/ 91													.1	.1	1.1	1.8	1.5	17	17		
90/ 89													.4	.8	1.4	1.4	2.9	54	54		
88/ 87											.3	.3	1.9	2.1	3.0	1.4	1.9	91	91		
86/ 85										.1	1.5	1.6	3.3	2.9	1.3	.6	.6	95	95		
84/ 83										1.4	1.9	2.9	2.3	1.1	.4		.3	83	83		
82/ 81								.1	.8	3.0	2.4	1.4	.9	.4	.5	.1	.1	77	77		
80/ 79								1.3	3.1	1.3	2.5	1.0	.3					75	75		
78/ 77							.5	1.1	2.1	1.3	1.0	.5	.1	.1				56	56		
76/ 75							.1	1.8	2.1	.8	.6	.4		.1				47	47		
74/ 73					.1	.9	.6	1.5	.8	.4		.1						35	35		
72/ 71					.4	.6	1.0	.5	.3		.1							23	23		
70/ 69				.1	.6	1.2	.5	.5	.1	.1								26	26		
68/ 67			.1	.3	.5	1.0	.4											18	18	12	
66/ 65			.1	.6		1.1												7	7	77	
64/ 63			.2	.6		.2												11	11	156	
62/ 61		.3	.3	.1	.2													7	7	199	5
60/ 59		.1	.1		.3	.1												5	5	156	25
58/ 57		.3		.3														4	4	98	65
56/ 55		.3	.1	.1														4	4	52	78
54/ 53		.1																1	1	15	89
52/ 51		.5																4	4	19	71
50/ 49																				11	88
48/ 47																					62
46/ 45																					77
44/ 43																					60
42/ 41																					41
40/ 39																					38
38/ 37																					21
36/ 35																					14
34/ 33																					12
32/ 31																					5
Element (X)	Σ X ²		Σ X		X̄		σ _x		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total				
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVERSED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

47-75

YEARS

1991
MONTH

PAGE 2 1200-1400
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26.5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94015 FORT CARSON CO/BUTTS AAF
STATION STATION NAME

67-75

YEARS

JUL
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
100/ 99																	.1	1	1		
98/ 97																	.6	4	4		
96/ 95																	1.0	7	7		
94/ 93																	1.4	9	9		
92/ 91														.1	.3	.7	2.4	25	25		
90/ 89												.1	.6	1.1	2.5	2.8	51	51			
88/ 87											.4	1.4	2.0	1.0	1.0	1.4	51	51			
86/ 85									.1	1.0	2.1	1.5	2.4	1.4	.7	.7	71	71			
84/ 83									.3	1.3	1.3	2.4	.7	.4	.4		48	48			
82/ 81									.6	1.4	1.1	2.7	1.3	.4	.2		26	56			
80/ 79								.4	3.1	2.1	2.5	.6	.6	.3	.1		71	71			
78/ 77							1.0	1.8	2.2	1.5	.8	.1	.1	.1		.1	23	53			
76/ 75						.1	1.3	2.8	3.4	1.1	.3	.3					66	66			
74/ 73					.1	.7	1.7	1.7	1.4	.7	.1						45	45			
72/ 71			.4	.1	.1	1.1	.8	1.3	.7	.3			.1				36	36			
70/ 69		.1	.1	.3	.8	1.2	.6	.6									29	29	3		
68/ 67		.1	.6	1.1	1.0	.3		.4	.1								26	26	10	4	
66/ 65	.1	.1	.4	.6	.2	.1		.1									15	15	42	3	
64/ 63		.6	.6	.3	.4	.3											15	15	119	2	
62/ 61		.6	.6	.3	.3	.1											13	13	157	6	
60/ 59	.3	.3	.1	.3													7	7	169	24	
58/ 57	.1	.1	.1	.4													7	7	106	60	
56/ 55			.3														2	2	50	80	
54/ 53		.3															2	2	20	63	
52/ 51		.4															3	3	30	76	
50/ 49																			5	77	
48/ 47																			2	66	
46/ 45																				59	
44/ 43																				34	
42/ 41																				32	
40/ 39																				30	
38/ 37																				19	
36/ 35						.1												1	1		18
34/ 33																					9
Element (X)	ΣX^2		ΣX		\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total				
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

121
MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0.26-2 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94015 FORT CARSON CO/BUTTS AAF

67-75

YEARS

JUL
MONTH

PAGE 1

1900-2000
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
94/ 93																	.2	1	1					
92/ 91																	.6	4	4					
90/ 89																	.5	5	5					
88/ 87															.2	.2	.8	12	12					
86/ 85												.2	.5	1.2	.9	.6	.3	24	24					
84/ 83										.2	.5	1.1	.8	.8	.9	.6	.6	30	30					
82/ 81										.2	.8	1.4	1.2	.9	.2	.3	.3	34	34					
80/ 79									.6	.9	1.4	1.7	.9	.3	.2	.2	.2	41	41					
78/ 77							.3	.2	1.9	2.5	1.2	.6	.2	.3	.3			48	48					
76/ 75							.8	2.2	2.2	1.6	1.2	.2	.2	.2				56	56					
74/ 73						.5	1.9	1.2	3.7	1.4	.6	.3	.2					63	63					
72/ 71				.2	.2	1.1	2.3	2.7	1.6	.5	.5	.2						58	58					
70/ 69			.2	.5	1.1	2.5	2.6	1.6	.9	.8	.3							69	69					
68/ 67				1.1	1.7	2.3	.9	.8	.3									45	45					
66/ 65			.9	2.3	2.2	.9	.6	.2										46	46	7				
64/ 63		.5	2.0	1.7	1.2	.5	.8											43	43	37	3			
62/ 61		1.1	1.7	1.4	.5	.2	.2											32	32	111	7			
60/ 59		.8	.4	.3	.2													13	13	158	24			
58/ 57	.7	.6	.3	.3	.2													10	10	104	64			
56/ 55		.5	.2															3	3	80	57			
54/ 53		.2																1	1	37	50			
52/ 51		.3	.2															3	3	31	80			
50/ 49																				12	84			
48/ 47																				3	63			
46/ 45																				1	41			
44/ 43																					40			
42/ 41																					30			
40/ 39																					20			
38/ 37																					16			
36/ 35																					10			
34/ 33																					11			
32/ 31																					4			
30/ 29																					7			
28/ 27																					7			
Element (X)	Σ X ²		Σ X		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature											
Rel. Hum.													≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total					
Dry Bulb																								
Wet Bulb																								
Dew Point																								

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94915 FORT CARSON CO/BUTTS AAF

67-75

YEARS

JUL
MONTH

PAGE 2 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
25/ 25																					1
24/ 23																					2
22/ 21																					1
20/ 19																					2
18/ 17																					1
16/ 15																					1
12/ 11																					2
10/ 9																					1
TOTAL	3.4	6.5	8.0	7.2	8.0	10.6	8.6	11.2	8.0	6.6	5.0	3.9	4.1	3.4	1.4	3.4		641		641	641

PSYCHROMETRIC SUMMARY

09-72

YEARS

Jul.
40118

PAGE 1 4100-2400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27	28	29-30	≥ 31	D.B.W.E.	Dry Bulb	Wet Bulb	Dew Point		
84/ 83																	.0		1	1				
80/ 72								.0			.0		1.8					.0	6	6				
78/ 77								.0	1.2	1.8	1.2	.6						.0	10	10				
76/ 75								.6	1.2	2.0	1.2	.6							16	16				
74/ 73								1.8	.6	2.4	1.2		1.8	.0					14	14				
72/ 71								1.2	5.4	1.8			.0						15	15				
70/ 69					.0	2.4	2.4	1.8	3.0	.0									19	19				
68/ 67					.6	2.4	1.2	1.2											9	9				
66/ 65			1.2	1.8	2.4	3.0		1.8	.6	.0									19	19	1			
64/ 63			1.8	1.8	6.0	3.0	.6	.6											23	23	2			
62/ 61		1.2	4.2	2.0		.0	1.2												17	17	12	1		
62/ 59		1.2	1.2	1.8	2.4														11	11	28	3		
58/ 57			.6	.6	.6														3	3	37	10		
56/ 55		.6	.6	.6															3	3	47	16		
54/ 53																					15	10		
52/ 51		.6																	1	1	14	26		
50/ 49																					8	22		
48/ 47																					2	21		
46/ 45																				1		12		
44/ 43																						10		
42/ 41																						12		
40/ 39																						10		
38/ 37																						3		
34/ 33																						3		
32/ 31																						2		
30/ 29																						2		
26/ 25																						1		
24/ 23																						1		
20/ 19																						1		
12/ 11																						1		
TOTAL		3.0	9.0	9.6	12.0	11.4	9.0	12.0	8.4	7.8	6.0	2.4	5.4	.0			.0	1.2		167		167		
																			167		167			

Element (X)	Σx ²	Σx	\bar{x}	s _x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	512650	8658	51.8	19.603	167	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	781989	11379	68.1	6.329	167			50.1	26.2	1.7		93
Wet Bulb	529573	9387	56.2	3.413	167							93
Dew Point	388222	7940	47.6	7.817	167			4.8				93

USAFETAC FORM 0.26.5 (01 A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

69

YEARS

248
MONTH

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY:

07,64-15

150
MONTH

PAGE: 1 0300-0500
HOURS (L, S, T)

[illegible]

0-26-5 (QLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

US.A., ETAC FORM

PSYCHROMETRIC SUMMARY

07-75

AUG.
MONTH

PAGE i 0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
82/ 81													.1	.1				2	2				
80/ 79											.1	.3						3	3				
78/ 77								.1	.3	.3	.3	.1	.1	.1				10	10				
76/ 75								.2	.3	1.4	.6	.1	.1	.1				21	21				
74/ 73						.1	.5	.6	1.9	1.0	.4	.3						40	40				
72/ 71					.1	.5	.6	2.2	1.4	.3	.1	.4						48	48				
70/ 69				.1	.3	1.4	2.2	1.7	1.8	1.3	.6							73	73				
68/ 67				.5	1.0	1.6	2.3	2.3	.9	.3	.1	.1						78	78				
66/ 65			.4	.3	1.3	3.2	1.7	1.3	1.2	.4	.1							80	81				
64/ 63		.3	1.0	1.2	2.2	3.4	1.7	1.2	.4	.3								93	93		6		
62/ 61		.3	1.4	3.6	2.4	2.3	1.2	.5	.3		.1							98	98	50	2		
60/ 59	.3	2.3	2.1	2.2	2.6	1.8	.8	.1	.3									99	99	77	18		
58/ 57	.1	1.0	1.9	2.2	2.0	.5	.1											66	66	132	30		
56/ 55	.1	1.4	1.0	1.2	.4	.1			.1									34	34	161	47		
54/ 53		.3	.0	.8	.2		.1											17	17	135	62		
52/ 51			.7	.2	.1													10	10	92	85		
50/ 49	.1		.1	.3														4	4	83	111		
48/ 47																				22	102		
46/ 45	.1	.2																3	3	13	91		
44/ 43	.1																	1	1	6	87		
42/ 41																				3	57		
40/ 39																					29		
38/ 37																					20		
36/ 35																					9		
34/ 33																					12		
32/ 31																					5		
30/ 29																					6		
28/ 27																					3		
26/ 25																					2		
24/ 23																					1		
22/ 21																					1		
14/ 13																					1		
TOTAL	1.1	5.6	9.6	12.2	13.5	16.2	11.2	10.4	3.7	5.6	2.6	1.5	.3	.3				780		780	780		
Element (X):	Σx²		Σx		x̄		s²		No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.	2823097		44783		57.4		17.983		780		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total
Dry Bulb	3241552		50088		64.1		6.124		781						32.7		9.0		.3				93
Wet Bulb	2325286		42484		54.5		3.612		780														93
Dew Point	1785835		36291		47.4		6.365		780				2.1										93

PSYCHROMETRIC SUMMARY

67-75

AUG
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point												
94/ 93																	.1	.1	2	2												
92/ 91																		.2	2	2												
90/ 89																																
88/ 87														.1	.1	.7	.4	.5	1.1	18	18											
86/ 85														.1	.1	.7	.7	.6	.4	22	22											
84/ 83																		.6	.6	50	50											
82/ 81																		.2	.6	54	54											
80/ 79																		.1	.1	61	61											
78/ 77									.4	.6	.4	.4	2.8	2.7	1.3	.6	.1			91	91											
76/ 75								.1	.7	1.8	1.7	3.1	1.5	.6	.5					90	90											
74/ 73								.2	.9	2.4	2.6	1.6	2.3	.5	.2					88	88											
72/ 71					.1	.2	.9	2.2	2.0	1.3	.7	.1								62	62											
70/ 69					.2	.7	2.1	2.1	2.0	.6	.2	.6								72	72											
68/ 67				.1	1.1	1.2	1.8	.9	.4	.5	.2						.1			53	53											
66/ 65			.1	.1	.9	1.3	1.0	.7	.1	.2							.2			41	41	1										
64/ 63			.2	.6	1.1	.5	.2	.2	.1	.2										27	27	16										
62/ 61			.2	1.2	1.0	.7	.1		.1											30	30	71										
60/ 59			.3	.7	.5	.4	.1													19	19	131										
58/ 57		.2	.1	.9	.5	.1	.2													19	19	208										
56/ 55		.2	.1		.1															4	4	185										
54/ 53		.1		.2	.1															6	6	104										
52/ 51																							49									
50/ 49																							87									
48/ 47																							89									
46/ 45																				3	3	16										
44/ 43																				1	1	5										
42/ 41																				2	2	3										
40/ 39																							102									
38/ 37																							75									
36/ 35																							75									
34/ 33																							48									
32/ 31																							44									
30/ 29																							29									
28/ 27																							15									
																							16									
																							11									
																							7									
																							4									
Element (X)	ΣX^2		ΣX		\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature																					
Re. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total									
Dry Bulb																																
W Bulb																																
Dew Point																																

PSYCHROMETRIC SUMMARY

07-75

ALL MONTH

PAGE 2 200-1100
HOURS (L. S. T.)

Temp. (°F)	WET BULB TEMPERATURE DEPRESSION (°F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
26/ 25																					1	
24/ 23																					1	
22/ 21																					1	
14/ 13																					2	
TOTAL	1.0	.5	2.0	3.7	5.3	5.0	7.2	9.7	9.8	10.0	12.1	9.4	8.0	5.8	3.3	2.0	2.4	817	817	817	817	

0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
FORM
4-11-42

USAFETAC FORM

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94015 STATION FORT CARSON CO/BUTTS AAF STATION NAME 07-75 YEARS AUG. MONTH 1200-1400 HOURS (L. S. T.)

PAGE 1 1200-1400

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
98/ 97																	.6	5	5			
96/ 95																	.1	1	1			
94/ 93																.2	1.1	13	13			
92/ 91															.1	.1	.6	2.6	28	28		
90/ 89													.1	.4	.2	2.5	3.9	58	58			
88/ 87											.1		1.0	1.5	2.3	1.2	2.2	72	72			
86/ 85										.4	.4	1.0	1.8	3.0	3.0	1.1	.2	93	93			
84/ 83								.1		.2	.7	2.2	1.8	4.2	2.0	.2		86	86			
82/ 81								.1	.6	.3	2.5	1.2	2.0	2.2	.6			95	95			
80/ 79								.2	.6	1.0	2.5	2.0	1.7	.7				79	79			
78/ 77							.2	1.1	2.3	1.7	.9	1.0	1.0	.4		.1		71	71			
76/ 75						.1	1.0	1.4	1.8	1.1	1.0	.2	.2		.1			57	57			
74/ 73						.2	1.1	.9	1.0	.2	.6	.2	.1	.1				37	37			
72/ 71					.1	.5	.8	1.2	.5	.2	.5							30	30			
70/ 69				.1	.1	1.2	.7	.1	.1	.1	.1	.1						23	23	1		
68/ 67				.1	.6	.2	.6	.1	.1									15	15	2		
66/ 65			.1	.4	.1	.1	.2											8	8	23		
64/ 63		.1	.4	.2	.2	.2	.1											11	11	84	1	
62/ 61			.4	.9			.1											11	11	160	4	
60/ 59			.2				.1											3	3	212	15	
58/ 57		.4	.2															5	5	155	29	
56/ 55	.1	.2																3	3	107	53	
54/ 53	.1	.1	.4															6	6	35	58	
52/ 51																				13	67	
50/ 49		.2																2	2	10	70	
48/ 47		.1																1	1	4	65	
46/ 45																					75	
44/ 43																					78	
42/ 41																					74	
40/ 39																					60	
38/ 37																					63	
36/ 35																					38	
34/ 33																					28	
32/ 31																					18	
Element (X)	Σ X ²		Σ X		X̄		σ _x		No. Obs.		Mean No. of Hours with Temperature										Total	
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F					Total	
Dry Bulb																						
Wet Bulb																						
Dew Point																						

PSYCHROMETRIC SUMMARY

7-73

YEARS

Aug.
MONTH

Page: 1200-1400
HOURS (L. S. T.)

[illegible]

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 94015 STATION NAME FORT CARSON CO/BUTTS AAF YEARS 07-75 MONTH JUL
PAGE 1 1500-1700 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21	22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
98/ 97																		.4	3	3				
96/ 95																		.3	2	2				
94/ 93																.1	.8	7	7					
92/ 91																.4	.7	1.2	17	17				
90/ 89																.4	1.4	4.1	43	43				
88/ 87													.5	.5	1.2	2.5	2.0	2.0	66	66				
86/ 85												.8	2.2	2.4	3.7	1.5	.5	83	83					
84/ 83									.1	.1	.9	1.5	2.0	3.8	2.2	.1		89	80					
82/ 81									.7	.5	1.2	2.0	.4	2.2	.5			64	64					
80/ 79								.4	.9	.7	1.4	1.0	1.9	.8	.1			58	58					
78/ 77							.3	.8	1.6	1.4	1.5	.9	.8	.1	.1	.1		58	58					
76/ 75							.2	.4	1.0	2.7	1.1	1.4	.3	.3				59	59					
74/ 73							.3	1.1	1.5	1.4	1.6	.3						45	45					
72/ 71					.1		1.9	1.1	1.1	.7	.5							40	40					
70/ 69					.4	1.1	.8	1.4	.7	.3	.1							39	39					
68/ 67				.1	1.4	.8	.4											20	20	2				
66/ 65	.1		.4	.3	.4	.3	.2											13	13	23	1			
64/ 63		.1	.1	.1			.2	.1										6	6	26				
62/ 61				1.1		.3	.3											12	12	127	3			
60/ 59		.3	.7	.1	.1													9	9	171	9			
58/ 57	.1	.4		.1														5	0	189	27			
56/ 55																				121	53			
54/ 53		.1																1	1	25	52			
52/ 51		.5																6	6	13	52			
50/ 49	.1	.1																2	2	11	77			
48/ 47																					47			
46/ 45																					75			
44/ 43																					65			
42/ 41																					55			
40/ 39																					78			
38/ 37																					50			
36/ 35																					52			
34/ 33																					22			
32/ 31																					10			
Element (X)	ΣX^2		ΣX		\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature												Total	
Rel. Hum.											≤ 0 F		< 32 F		≥ 67 F		≥ 75 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																								
Wet Bulb																								
Dew Point																								

PSYCHROMETRIC SUMMARY

27-75

YEARS

Aug
MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

[illegible]

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94015 FORT CARSON CO/BUTTS AAF
STATION STATION NAME

67-75
YEARS

AUG
MONTH

PAGE 1 1800-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
96/ 95																	.1	1	1				
90/ 89																	.3	2	2				
88/ 87																.1	.1	2	2				
86/ 85														.1	.3	.7	.1	.4	12	12			
84/ 83											.3	.1	.9	1.0	.7	.4	.1	25	25				
82/ 81									.1	.1	.9	1.0	1.0	1.0	.3			37	39				
80/ 79								.1	.1	.4	1.3	2.4	1.3	.8	.3			45	45				
78/ 77							.1	.4	1.2	1.9	1.9	2.2	.9	.4	.3			55	65				
76/ 75							.1	.7	1.3	2.8	3.2	1.5	.1	.3				69	69				
74/ 73							.7	1.0	1.3	1.0	1.4	1.8	.7	.1				69	69				
72/ 71					.6	.9	1.5	1.5	2.7	1.5	.3		.1					63	63				
70/ 69				.1	1.2	2.1	2.5	1.4	2.8	.6	.1							72	72				
68/ 67		.1	.1	.3	1.3	2.5	2.5	1.9	.6	.1		.1						66	66	1			
66/ 65			.7	1.0	2.5	1.3	1.5	.6	.1									56	56	4	1		
64/ 63		.3	.9	.1	1.5	.6	.3	.7		.1								28	28	29			
62/ 61		1.2	.3	1.0	.2	.7	.1											25	25	56	4		
60/ 59		1.0	.4	.4	.1	.3												16	16	134	28		
58/ 57	.1	.6	.1	.1		.1												8	9	179	25		
56/ 55		.3		.1														3	3	144	33		
54/ 53			.1	.1														2	2	86	61		
52/ 51	.3	.6																6	6	29	62		
50/ 49																				18	57		
48/ 47	.4																	3	3	6	70		
46/ 45																					67		
44/ 43																					73		
42/ 41																					66		
40/ 39																					57		
38/ 37																					31		
36/ 35																					18		
34/ 33																					6		
32/ 31																					7		
30/ 29																					4		
28/ 27																					1		
26/ 25																					2		
Element (X)	ΣX^2			ΣX			\bar{X}			σ_x			No. Obs.			Mean No. of Hours with Temperature							
Ref. Hum.																≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total	
Dry Bulb																							
Wet Bulb																							
Dew Point																							

PSYCHROMETRIC SUMMARY:

6.7~7.5

YEARS

AUG
MONTH

PAGE 2 1800-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

49-75

AUG
MONTH

PAGE 1 2100-2400
HOURS (L. S. T.)

USAFETAC
FORM
JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

5

YEARS

67,49

5217
MONTH

PAGE 1 0000-0200
HOURS (L. S. T.)

USAFETAC
FORM
JUL 64
3-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY:

YEARS

SEP
MONTH

0300-0500
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-25-5 (OL A)

FORM 64

USAFETAC

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94015 FORT CARSON CO/BUTTS AAF

06-74

YEARS

SLP
MONTH

0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
78/ 77												.1						1	1					
76/ 75										.1	.4		.1					5	5					
74/ 73									.1	.3	.1	.3						6	6					
72/ 71									.4	.2	.1							6	6					
70/ 69							.1	.1	1.0	1.1		.1		.1				19	19					
68/ 67					.1		.1	.7	.9	.3	.3				.1			17	17					
66/ 65						.1	.2	1.4	.6	.9								23	23					
64/ 63					.1	.4	1.4	2.0	.7	.6		.1						38	38					
62/ 61			.3	.7	.9	.3	1.4	1.7	1.0	.1	.1							46	46					
60/ 59		.1	.4	1.0	1.3	1.7	1.1	1.3	.7									54	54	1				
58/ 57	.4	.9	.1	1.0	1.9	2.0	2.3	1.3	.1	.1								75	75	9	4			
56/ 55	.2	1.1	1.1	1.6	1.4	1.5	1.0	.6										61	61	39	10			
54/ 53	.1	2.0	1.0	.4	1.0	1.7	.9											50	50	51	13			
52/ 51	.2	2.6	1.3	2.0	1.1	.9	.4											64	64	82	28			
50/ 49	.7	2.2	1.0	1.6	1.4	1.3												61	61	110	36			
48/ 47	.4	1.9	1.0	1.0	1.4	.3	.1											51	51	85	45			
46/ 45		1.4	1.0	1.1	.6	.2												35	35	85	40			
44/ 43	.1	1.0	1.1	.7	.3	.1												24	25	77	80			
42/ 41		.9	.7	.9	.1													19	18	60	57			
40/ 40		.7	1.0	.3														14	14	34	61			
38/ 37	.4	.3	.0	.3														11	11	20	64			
36/ 35		.4	.3	.1														6	6	18	67			
34/ 33	.3		.1															3	3	13	46			
32/ 31		.7																5	5	3	38			
30/ 29	.1																	2	2	8	48			
28/ 27		.1																1	1		21			
26/ 25																				1	17			
24/ 23																					3			
22/ 21																					2			
16/ 15																					2			
12/ 11																					1			
10/ 9																					1			
TOTAL	3.4	16.4	13.2	13.9	11.4	10.0	9.3	9.2	5.0	3.9	1.1	.7	.1	.1				696	697		696			
Element (X)	Σ x²		Σ x		x̄		s²		No. Obs.		Mean No. of Hours with Temperature												Total	
Rel. Hum.	2922902		42699		61.321		8.234		677		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F								
Dry Bulb	2103930		37820		54.2		8.025		677			1.0	7.0	1.5					90					
Wet Bulb	1533550		32422		46.6		5.781		600			1.6							90					
Dew Point	1128500		27518		39.5		7.035		600			17.2							90					

PSYCHROMETRIC SUMMARY

06-74

YEARS

520
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

[illegible]

JSAFETAC FORM 0.26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

66-74

226
MONTH

PAGE 4 0900-1100
HOURS (L. S. T.)

[illegible]

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

6-74
YEARS

SEP
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point			
90/ 89																	.5	4	4				
88/ 87															.3	.5	.7	11	11				
86/ 85												.1	.4	.3	.7	1.9	.1	26	26				
84/ 83													.9	1.1	1.5	1.7	.1	41	41				
82/ 81												.9	1.6	1.6	1.9	.8		51	51				
80/ 79										.1	.7	1.1	2.0	2.0	.9	.7	.1	57	57				
78/ 77									.3	.5	.9	1.2	1.7	2.4	.5	.1		58	58				
76/ 75								.3	1.2	.8	2.6	1.1	2.1	.7		.1		66	66				
74/ 73							.8	.9	.5	1.3	2.8	1.6	1.3	.1				71	71				
72/ 71						.1	.7	.5	1.9	1.2	1.2	1.5	.3					55	55				
70/ 69					.1	.8	.3	1.2	.8	.7	.1	.1	.1					32	32				
68/ 67					.5	1.3	.7	1.2	1.3	1.3	.4	.1						52	52				
66/ 65					1.1	.4	1.3	1.1	.7	.7	.3							41	41				
64/ 63				.5	.7	1.2	.9	.4	.1	.4	.3							34	34	2			
62/ 61			.1	.1	.8	1.1	.9	.4	.3	.5								32	32	21			
60/ 59				.1	.4	.5	.4	.1	.3		.1							15	15	69			
58/ 57			.4	.3	1.1	.4	.1	.3	.1									20	20	99			
56/ 55				.5	.3	.4	.1	.1										11	11	141			
54/ 53		.3		.1	.3		.3	.1										8	8	127			
52/ 51		.2	.4	.2	.1	.1												11	11	111			
50/ 49		.5	.1	.3	.4		.1	.1										12	12	65			
48/ 47		.1	.3	.5														7	7	29			
46/ 45			.3	.4	.3													7	7	17			
44/ 43			.3	.9	.3													11	11	22			
42/ 41	.1	.3		.3														5	5	17			
40/ 39			.1	.1														2	2	6			
38/ 37			.3															2	2	9			
36/ 35																				5			
34/ 33																				2			
32/ 31	.1	.1																2	2	1			
30/ 29	.1																	1	1	2			
28/ 27																							
26/ 25																							
24/ 23																							
Element (X)	ΣX ²		ΣX		X̄		σ _x		No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total						
Dry Bulb																							
Wet Bulb																							
Dew Point																							

FORM 0-26-5 (OL A) REVERSED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUL 64

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

SEP
MONTH

PAGE 2 1206-1400
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26.5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94015 FORT CARSON CO/BUTTS AAF

66-74

S.L.P.
MONTH

PAGE 1 1500-1700

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb		Wet Bulb	Dew Point	
90/ 89															.1	.1	.4	5	5			
88/ 87														.3	.3		.6	8	8			
86/ 85														.3	.9	1.5	.6	22	22			
84/ 83													1.0	.4	1.2	1.9	.7	36	36			
82/ 81											.3	.3	1.2	1.2	1.0	.7		36	36			
80/ 79										.3	1.0	1.9	1.0	1.8	.0	.3	.3	49	49			
78/ 77										.6	1.3	1.6	1.6	1.8	.7	.3		54	54			
76/ 75								.6	.9	1.3	2.7	1.6	3.9	.7				79	79			
74/ 73							.3	.6	.7	2.5	2.4	.9	1.0					57	57			
72/ 71							.4	.7	1.5	1.0	1.2	1.0						40	40			
70/ 69						1.0	.1	1.8	2.1	1.5	.4	.3						49	49			
68/ 67					.3	.2	.9	2.1	.9	1.0	.9							43	43			
66/ 65				.1	.9	.7	.9	.9	.9	.4	.1	.1						35	35			
64/ 63		.1		.1	.9	.1	1.0	.9	.1		.4							26	26		2	
62/ 61			.1	.3	.1	.6	.4	.7	.3	.3	.1	.1						22	22	17	1	
60/ 59				.4	1.0	1.0	.4	.3	.3	.1	.1							26	26	35		
58/ 57			.3		1.0		.3		.1									17	12	85		
56/ 55		.1	.3	.3	.3	.1		.1										9	9	131	9	
54/ 53	.1	.1	.3	.1	.1		.3	.1										9	9	124	18	
52/ 51		.1	.3		.4	.1	.1	.1										9	9	107	27	
50/ 49		.7	.1	.3	.4													11	11	51	29	
48/ 47	.3	.1	.1	.4	.1													8	8	33	35	
46/ 45	.1		.4	.4	.1													8	8	12	58	
44/ 43			.4	.3	.1													6	6	18	73	
42/ 41	.1			.1	.1													3	3	11	57	
40/ 39		.4	.1	.1														5	5	9	60	
38/ 37		.1	.1															2	2	9	60	
36/ 35			.1															1	1	4	53	
34/ 33																					1	35
32/ 31		.1																1	1	1	30	
30/ 29		.1																1	1	2	42	
28/ 27																						33
26/ 25																						14
24/ 23																						11
Element (X)	Σ x ²			Σ x			x̄			σ _x			No. Obs.			Mean No. of Hours with Temperature						
Rel. Hum.																≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb																						
Wet Bulb																						
Dew Point																						

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YEARS

PAGE 4 1500-1700
HOURS (L. S. T.)

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FORM J-1 64

USAFETAC

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94015 FORT CARSON CO/BUTTS AAF

66-74

SIP
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
86/ 85																.2		1	1		
84/ 83													.2					1	1		
82/ 81													.2		.3	.2		4	4		
80/ 79										.2	.2	.2	.3	.3	.2			8	8		
78/ 77											.3	.5	.5	.3				7	7		
76/ 75									.3	.8	.7	.7	.7	.2				20	20		
74/ 73									.7	.5	1.0	2.2	.2	.3	.2			30	30		
72/ 71							.5	1.0	.5	1.2	1.5	1.2	.3					37	37		
70/ 69						.5	.8	1.0	1.0	1.8	1.7	.9	.3					46	46		
68/ 67					.5	.7	.2	2.5	1.8	1.8	.5	.7						52	52		
66/ 65			.2	1.7	1.2	.5	2.5	2.4	1.2	1.2								64	64		
64/ 63			.2	.8	1.2	1.2	2.4	2.0	1.2	.3								56	56		
62/ 61		.2	.3	1.3	1.2	1.5	1.2	1.5	1.0									51	51	2	
60/ 59		.3	.5	.3	.8	1.2	.7	.7	1.0	.2								35	35	23	
58/ 57	.5	.2	.5	1.7	.7	1.8	.8	.7	.2									42	42	53	7
56/ 55		.2	.7	1.8	.5	1.0	.5	.3										30	30	54	10
54/ 53		.3	.7	.7	1.5	.5		.5										25	25	77	29
52/ 51			.2	1.2	.2		.8											16	16	99	25
50/ 49		.3	1.0	.2		.5	.2											13	13	102	33
48/ 47		.3	.8		1.0	.5												16	16	51	31
46/ 45		.7	.8		.7													13	13	51	49
44/ 43		.7	.7		.2													9	9	27	37
42/ 41		.5	.3															5	5	12	66
40/ 39		.2	.5	.2														5	5	22	61
38/ 37	.2	.2	.2	.2														4	4	12	47
36/ 35																				3	48
34/ 33		.2																1	1	2	39
32/ 31		.2																1	1	1	23
30/ 29		.5																3	3	2	29
28/ 27																				2	29
26/ 25																					16
24/ 23																					3
22/ 21																					6
20/ 19																					2
Element (X)	Σ X ²		Σ X		X̄		σ _x		No. Obs.		Mean No. of Hours with Temperature										Total
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F					Total
Dry Bulb																					
Wet Bulb																					
Dew Point																					

5

PSYCHROMETRIC SUMMARY

56-74

YEARS

SEP
MONTH

PAGE 2 1800-2000
HOURS (i.e. 1.)

[illegible]

USAFETAC FORM JUL 64 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94015 FORT CARSON CO/BUTTS AAF
STATION STATION NAME

07,69-74
YEARS

SEP
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
78/ 77												.6						1	1				
74/ 73												.6						1	1				
72/ 71								.6	.6	.6	.6			.6				5	5				
70/ 69									.6	1.9	1.9	.6						8	8				
68/ 67							.6	.6		1.3		.6						5	5				
66/ 65					1.3	1.3	1.3	2.5		.6	.6							12	12				
64/ 63			.6		.6	.6	1.3	2.5	1.9	.6								12	13				
62/ 61		.6	.6	3.2		2.5	.6	4.4										19	19				
60/ 59		.6	3.2	1.9	1.3	2.5	3.2		.6									21	21	2	1		
58/ 57	1.3	1.9	.6	1.3	1.9	1.3	.6	2.5	.6									19	19	10	4		
56/ 55	.6	.6		.6	2.5	.6	1.3	.6										11	11	21	5		
54/ 53		1.9			1.9	.6	.6	1.3										10	10	11	8		
52/ 51		1.3	.6	1.9		.6												7	7	22	13		
50/ 49		.6	1.3	1.9			.6											7	7	20	4		
48/ 47			1.3			.6												3	3	27	5		
46/ 45		1.3	1.3	1.3	.6													7	7	13	9		
44/ 43		.6	.6															2	2	15	10		
42/ 41			.6															1	1	5	19		
40/ 39		1.3	1.3															4	4	5	18		
38/ 37																				4	15		
36/ 35																					1		
34/ 33			.6															1	1		10		
32/ 31																					7		
30/ 29		.6																1	1	2	10		
28/ 27																					3		
26/ 25																					3		
24/ 23																					2		
20/ 19																					1		
TOTAL	1.9	11.4	12.7	12.0	10.1	10.8	10.1	15.2	4.4	5.1	3.2	2.5	.6					158	158	158	158		
Element (X)	Σ x'		Σ x		x̄		s _x		No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.	584793		89923		56.9		21.553		153		≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total						
Dry Bulb	545775		9199		58.2		8.058		158			.6	11.4	1.1			90						
Wet Bulb	385636		7754		49.1		5.700		158				1.1				90						
Dew Point	277415		6485		41.0		8.462		158				14.8				90						

PSYCHROMETRIC SUMMARY:

YEARS

767
MONTH

PAGE 1 0300-0500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
64/ 63							.6											1	1					
62/ 61							.6	.6	.6	.6								4	4					
60/ 59							1.2											2	2					
58/ 57							.6	1.8		.6	.6							6	6					
56/ 55					1.2	1.8	1.8	.6	.6									10	10					
54/ 53				.6	1.2	2.4		.6										8	8					
52/ 51				1.2	.6	1.2	1.2	1.2										5	9	1				
50/ 49		1.8	.6	1.8	1.2	2.4												13	13	2				
48/ 47				.6	1.2	1.8	1.2	1.2										10	10	2	1			
46/ 45		2.4	1.2	3.0	2.4	.6												17	17	13	2			
44/ 43		1.8	3.0	.6	.6	.6												11	11	17	5			
42/ 41		1.8	1.8	2.4	2.4	1.2	.6											17	17	15	6			
40/ 39	.6	2.4	3.0	3.0	1.2													17	17	28	9			
38/ 37		3.6	1.2	1.2														10	10	15	9			
36/ 35	1.2		1.2	.6														5	5	22	23			
34/ 33		.6	3.0	.6														7	7	11	15			
32/ 31	1.2	1.2	.6															5	5	10	21			
30/ 29	.6	1.8	.6															5	5	11	13			
28/ 27	.6	1.2	.6															4	4	4	16			
26/ 25																				3	14			
24/ 23		.6																1	1		12			
22/ 21																				1	6			
20/ 19	.6																	1	1	1	0			
18/ 17	.6																	1	1	1	2			
16/ 15																					2			
14/ 13	.6																	1	1	1	3			
TOTAL	6.1	9.4	17.6	17.0	12.7	11.5	7.9	4.8	1.2	1.2	.6							165	165	165	165			
Element (X)	ΣX ²		ΣX		̄X	σ _x	No. Obs.		Mean No. of Hours with Temperature															
Rel. Hum.	72799.3		10455		63.4	19.989	165		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb	332262		7248		43.9	9.199	165			10.1					93									
Wet Bulb	24388.1		6253		37.9	6.492	165			14.0					93									
Dew Point	165.07		5089		30.8	7.093	165			53.5					93									

PSYCHROMETRIC SUMMARY

65-74

OCT
MONTH

PAGE 1 0600-0800
HOURS (1 5 3)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point															
70/ 69												.1						1	1																
68/ 67										.3	.1			.1				4	4																
66/ 65								.1	.3	.1	.5							9	9																
64/ 63							.3	.4	.4	.1								9	10																
62/ 61					.1	.3	.4	.8	1.1	.3	.1							23	23																
60/ 59						.4	.4	1.1	.3	.8	.1							27	27																
58/ 57						.5	1.2	.5	.7	.7								27	27																
56/ 55					.5	.4	.5	1.3	.7	.3								31	31																
54/ 53		.1	.1	.3	.5	1.9	1.5	.5	.3	.1								45	47	5															
52/ 51			.1	.4	1.6	1.2	1.3			.1								36	39	5	1														
50/ 49		.7	.5	.8	1.3	.9	1.3	.3	.3									44	46	15															
48/ 47		.4	.7	2.0	2.0	2.0	.9	.1										61	64	44	4														
46/ 45		.1	1.1	1.9	1.3	1.1	.4											44	44	47	7														
44/ 43		.9	3.0	2.3	1.9	1.3	.4											72	73	68	13														
42/ 41		.9	1.3	1.7	1.1	.3												40	41	83	19														
40/ 39	.1	1.3	2.4	1.6	1.1	.1												50	51	86	27														
38/ 37	.5	1.9	3.1	1.9	.9	.1												60	62	81	54														
36/ 35	.8	1.1	2.7	.7	.3	.1												42	42	81	80														
34/ 33	.3	1.7	1.5	.3	.4													35	36	68	65														
32/ 31	1.7	2.2	.2	.2														34	34	68	82														
30/ 29	.5	1.3	.5	.1	.1													22	22	41	79														
28/ 27		.4	.4															6	6	21	36														
26/ 25		.4	.1															4	4	8	64														
24/ 23		.4																3	3	3	44														
22/ 21	.1		.3															3	3	3	28														
20/ 19		.5	.1															5	5	1	34														
18/ 17	.3																	2	2	8	17														
16/ 15	.3																	2	2	2	9														
14/ 13	.3																	2	2	2	11														
12/ 11																					9														
10/ 9																					6														
8/ 7																					4														
6/ 5																					1														
2/ 1																					1														
Element (X)	ΣX ²			ΣX			X̄			s _x			No. Obs.			Mean No. of Hours with Temperature																			
Rel. Hum.																≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total													
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0.26-5 (01 A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

66-74

YEARS

NOV
MONTH

PAGE 2 0600-0800
HOURS (L. S. T.)

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0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94015 FORT CARSON CH/BUTTS AAF

66-74

YEARS

JUL
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
80/ 79												.1						1	1						
78/ 77												.4	.3		.1			6	6						
76/ 75									.1		.4	.5	.9	.5	.4			22	22						
74/ 73										.4	.1	1.0	.5	.1	.1			21	23						
72/ 71									.4	.5	1.5	1.1	.4		.4			34	34						
70/ 69									.8	1.0	1.9	1.0	.4	.3	.1			43	44						
68/ 67								.4	1.1	1.1	1.4	.1	.4					36	40						
66/ 65					.1	.1	.5	.1	1.1	1.1	.8	.3	.3					35	36						
64/ 63							.8	1.1	1.0	1.0	.0	.4						39	39						
62/ 61							.6	.9	1.1	1.5								33	35						
60/ 59					.3	.4	1.0	1.1	1.4	1.0								44	44	1					
58/ 57				.1	.8	1.0	.6	1.3	1.3	.4								43	43	4					
56/ 55				.3	.6	1.4	1.1	.9	.5	.8								44	44	15					
54/ 53				.4	.8	1.1	1.4	1.4	.4									43	43	29					
52/ 51			.3	.6	1.5	1.2	1.8	.8	.3									51	51	61	1				
50/ 49			.2	.9	1.5	1.5	.9	.1	.1	.1								46	46	82	1				
48/ 47		.1	.3	1.0	1.0	.0	1.0	.1										33	33	79	3				
46/ 45		.1	1.4	1.0	.5	.4												27	27	77	18				
44/ 43		.9	1.6	.5	.5	.6	.3											35	35	85	23				
42/ 41	.1	.5	.9	1.0	.5	.4	.1											28	28	87	25				
40/ 39	.4	.6	.5	.9	.5													23	23	74	55				
38/ 37	.1	.5	.9	.4	.5													19	19	65	63				
36/ 35	1.1	.9	1.3	.1	.3													29	30	41	80				
34/ 33	.6	1.0	.8															19	19	35	67				
32/ 31	.8	.6	.5	.1														16	16	39	75				
30/ 29	.1	.1																2	2	13	86				
28/ 27	.1																	1	1	5	62				
26/ 25		.3	.3															4	4	2	60				
24/ 23	.1	.4																4	4	3	31				
22/ 21	.1	.1																2	2	5	41				
20/ 19	.5	.3																6	6	7	34				
18/ 17	.1																	1	1	1	20				
16/ 15																					7				
14/ 13																					7				
Element (X)	Σ X ²		Σ X		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																									
Wet Bulb																									
Dew Point																									

PSYCHROMETRIC SUMMARY

56-74

YEARS

56, 7
MONTH

PAGE 2

0900-1100
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

66-74

AC T
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0.26.5 (OL A)

0224

USAFETAC

PSYCHROMETRIC SUMMARY

66-74

70 T
MONTH

PAGE 2 1200-1400
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM 0-26-5 (OLA)
JUL 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

NET
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

[illegible]

0-26.5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

66-74

YEARS

DC T

MONTH

PAGE 2

1500-1700
HOURS (L. S. T.)

[illegible]

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

54015 FORT CARSON CO/BUTTS AAF

67-74

1CT
MONTH

YEARS

PAGE 1 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
84/ 83													.2					1	1		
72/ 71										.3		.2	.3					5	5		
70/ 69										.3		.5	.3					8	8		
68/ 67							.3		1.2	.5	1.2	.7	.2					24	24		
66/ 65							.2	1.0	1.2	1.3	.5		.2					26	26		
64/ 63							.2	1.0	1.3	1.0	.5	.2						25	25		
62/ 61							1.3	1.5	1.5	1.7	.2	.3	.3					41	41		
60/ 59						1.5	2.1	2.3	1.0	.2	.2							44	44	1	
58/ 57				.2	.2	.5	1.5	1.8	1.2		.2							33	33	1	
56/ 55				.8	.7	1.0	2.1	2.6	.3									46	46	1	
54/ 53			.2	.3	1.3	1.3	2.1	.8	.5									40	40	5	
52/ 51			.5	1.7	1.2	1.5	.8	.3	.2	.2								38	38	25	
50/ 49	.2		.7	1.5	1.5	1.3	.3	.8	.2									39	39	45	3
48/ 47		.2	.8	1.5	1.7	1.0	.7											35	35	69	2
46/ 45		.2	2.1	2.0	1.7	1.2	.3		.2									46	46	69	11
44/ 43		.8	1.7	1.0	1.2		.2											29	29	82	14
42/ 41		.7	.8	.3	.7	.2	.2											17	17	85	29
40/ 39		1.3	.7	.5	.5	.5												19	19	55	41
38/ 37	.5	1.8	.7	.2	.5	.3												24	24	43	61
36/ 35	1.3	.7	.8	.5	.5													23	23	44	67
34/ 33	.5	1.0	.5	.3	.2													15	16	23	52
32/ 31	.3	1.0	.7															12	12	16	65
30/ 29	.3	.5	.2															6	6	24	61
28/ 27		.2	.2															2	2	7	56
26/ 25		.3																2	2	4	44
24/ 23																				1	25
22/ 21		.5																3	3	2	12
20/ 19	.3																	2	2	3	20
18/ 17																					14
16/ 15																					5
14/ 13																					9
12/ 11																					5
10/ 9																					2
8/ 7																					3
Element (X)	Σ X ²		Σ X		Σ		Σ X		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total				
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

07-74

116 T
MONTH

PAGE 2 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
6 / 5																					1
2 / 1																					1
0 / -1																					1
-10 / -11																					1
TOTAL	3.5	9.1	9.9	10.9	11.6	10.2	12.4	12.2	8.8	5.5	2.0	1.8	1.5					605	606	605	605

USAFETAC FORM 0-26.5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

57-74

NET
MONTH

PAGE 1 4100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
68/ 67									.6	.6	.6	.6						4	4				
66/ 65									.6									1	1				
64/ 63						.6			.6	1.1	.6							5	5				
62/ 61						.6	.6		.6	1.7	.6							7	7				
60/ 59						1.7	1.1	.6	1.1	.6								9	9				
58/ 57				.6	.6	1.7	2.3	1.1	1.1		.6							14	14				
56/ 55				.6	.6		1.7	.6	.6									7	7				
54/ 53					1.7	1.7	1.7	.6	.6									11	11	1			
52/ 51				.6	1.7	3.4	.6											11	11	3			
50/ 49				3.4	.6	1.1	1.7											12	12	9			
49/ 47		.6	1.7	1.7	.6	1.1												10	10	12	2		
46/ 45		1.1	1.7	3.4	1.1	1.1												15	15	19	2		
44/ 43		.6	2.9	1.7	1.1	1.7												14	14	23	3		
42/ 41		.6	1.7		1.1	.6												7	7	18	9		
40/ 39		2.9	1.1	2.3	1.7	.6												15	15	29	8		
38/ 37	.6	.6	.6		.6	.6												5	5	11	18		
36/ 35	1.1	1.7		1.1														7	8	11	24		
34/ 33	1.7	2.3																7	8	15	17		
32/ 31		1.7																3	3	6	15		
30/ 29	1.1	1.7																5	5	11	24		
28/ 27		1.7																3	3	3	9		
26/ 25		.6																1	1	2	14		
24/ 23																				1	8		
22/ 21																					9		
20/ 19	1.1																	2	2	2	3		
18/ 17																					6		
14/ 13																					2		
12/ 11																					1		
10/ 9																					1		
TOTAL	5.7	16.0	9.7	15.4	11.4	16.6	9.7	4.0	6.3	2.3	2.3	.6						175	177	175			
Element (X)	Σx²		Σx		x̄		sₓ		No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.	673165		10185		58.2		21.496		175		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total
Dry Bulb	411367		8237		47.1		18.302		177				7.4		2.1								93
Wet Bulb	284146		6958		39.8		6.564		175				13.3										93
Dew Point	180589		5479		31.3		7.212		175				48.9										93

USAFETAC FORM 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

71-72, 74

NOV
MONTH

PAGE 1 0300-0500
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
MIL 44
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94015 FORT CARSON CO/BUTTS AAF
STATION STATION NAME

66-74

YEARS

NOV
MONTH

PAGE 1

0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb		Wet Bulb	Dew Point		
64/ 63											.2							1	1				
62/ 61									.2									1	1				
60/ 59									.3									2	2				
58/ 57									.3	.2								3	3				
56/ 55								.3	.4	.2								8	8				
54/ 53						.3	.5	.2	.7									10	10				
52/ 51						.2	.3	.3										5	5				
50/ 49					.3	.7	.3	.7	.2									14	16				
48/ 47					.5	1.0	1.1	.3	.3									20	20				
46/ 45				.3	.3	3.1	1.5	.2		.2								34	34	1			
44/ 43				.5	.5	1.1	.7	.2										18	21	9			
42/ 41			.3	1.8	1.6	2.0	.3											40	40	10			
40/ 39			.7	2.9	2.9	1.3	.3											50	51	17			
38/ 37			2.1	1.0	1.3	.8												33	34	26			
36/ 35		.2	2.3	1.8	2.1	.7												43	44	56	2		
34/ 33	1.0	1.8	2.4	1.3	.7	.2												46	47	71	14		
32/ 31	.5	1.1	2.1	1.8	.5													37	40	69	26		
30/ 29	.3	2.3	2.9	1.6														48	51	61	35		
28/ 27	1.3	3.3	2.9	1.1	.2													53	54	65	35		
26/ 25	1.6	4.2	2.6	.3														54	57	72	52		
24/ 23	.5	3.1	1.5															31	33	55	67		
22/ 21	.7	1.3	.3															14	15	36	58		
20/ 19	.3	1.6	.3															14	15	19	70		
18/ 17	.3	.5	.3															10	10	15	69		
16/ 15		1.1	.2															8	11	8	60		
14/ 13	.7	1.0																10	11	14	44		
12/ 11	.2	.2																2	2	4	29		
10/ 9	.2	.3	.2															4	4	3	18		
8/ 7		.2																1	1	2	17		
6/ 5		.2																1	1	2	5		
4/ 3																					7		
2/ 1																					2		
0/ -1																					2		
-2/ -3																					1		
Element (X)	Σ X ²		Σ X		X̄		s _x		No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total
Dry Bulb																							
Wet Bulb																							
Dew Point																							

FORM 0-26-5 (OLA) JUL 64

USAFETAC

PSYCHROMETRIC SUMMARY

66-74

11.14
MONTH

PAGE 2 0600-0800
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
MIL AA
0-26.5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94015 FORT CARSON CO/BUTTS AAF

6-74

NOV

STATION

STATION NAME

YEARS

MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																										TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27	-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point										
72/ 71												.1						1	1												
70/ 69												.3		.1				3	3												
68/ 67											.1			.1				7	2												
66/ 65									.1		.6	.4	.1					9	9												
64/ 63							.1		.1	.8	.1	.1						10	10												
62/ 61								.1	.6	.6	1.4	.3						21	22												
60/ 59								.1	.6	.8	.4	.1						15	18												
58/ 57								1.5	1.2	1.4	.1	.3						33	34												
56/ 55					.1		.8	.8	1.8	.3	.4							31	31												
54/ 53					.1	.4	.8	1.1	.8	.8								30	31	1											
52/ 51					.1	.7	1.2	1.8	1.0									35	35												
50/ 49					.6	1.1	2.1	.7	.7	.1								38	41	2											
48/ 47				.3	1.1	3.0	1.2	1.0	.3									50	50	7											
46/ 45			.1	.6	1.8	1.8	1.1	.7		.1								45	46	18	1										
44/ 43				.8	1.2	1.9	.6											33	35	41											
42/ 41		.1	.6	1.7	1.5	1.5	.4											42	44	61	1										
40/ 39			.6	1.5	1.5	1.2												37	37	69	1										
38/ 37		.3	1.3	3.0	1.2	.3												48	48	88	1										
36/ 35	.1	.7	1.6	1.4	.8	.1												36	38	70	11										
34/ 33	.6	1.7	2.2	1.4	.8													47	52	77	20										
32/ 31	.1	2.5	1.7	.8	.1													38	39	73	37										
30/ 29	.6	2.2	2.1	.4														38	39	67	71										
28/ 27	.8	1.2	.8	.7														26	26	62	66										
26/ 25	.4	1.2	1.1	.1														21	22	26	95										
24/ 23	.3	.3	.7	.1														10	11	20	93										
22/ 21		.7	.2															7	8	11	76										
20/ 19		1.0	.3															9	9	10	64										
18/ 17		.7	.2															7	7	12	37										
16/ 15																				6	47										
14/ 13		.1																1	1	1	34										
12/ 11																				1	31										
10/ 9		.1																1	1	20	9										
8/ 7																				1	?										
6/ 5																					?										
Element (X)	Σ X ²		Σ X		Σ		Σ		No. C's.		Mean No. of Hours with Temperature																				
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F			Total												
Dry Bulb																															
Wet Bulb																															
Dew Point																															

PSYCHROMETRIC SUMMARY:

66-74

NOV
MONTH

PAGE 2 0900-1100
HOURS (L. S. T.)

[illegible]

0-26-5 (QLA)

USAFETAC

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94015 FORT CARSON CO/BUTTS AAF

66-74

NOV
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
74/ 73												.1	.3	.1	.4	.1		8	8					
72/ 71									.1			.1	.3	.1	.3			8	8					
70/ 69										.1	.3	.8	.3	.6				15	15					
68/ 67										.3	1.0	.3	.6	.7				20	20					
66/ 65										.7	1.1	1.0	.6	.1				25	26					
64/ 63									.7	1.4	1.8	1.1		.1				37	39					
62/ 61								.1	.4	.8	1.5	.7	.3					28	30					
60/ 59								.7	2.1	2.8	1.5	.4						54	60					
58/ 57					.1		.1	1.4	1.7	1.4	.3							36	36					
56/ 55					.1	.1	.8	.8	.8	.6	.1							25	25	1				
54/ 53				.3	.3	.3	.7	1.7	1.7	.6								39	39					
52/ 51					.7	.7	2.8	1.0	1.1	.4								48	48	2				
50/ 50					1.0	1.4	1.4	1.4	.4	.1								41	41	13				
48/ 48				.3	.7	2.1	1.8	1.1	.3									45	48	32				
46/ 45				.4	1.7	1.4	1.7	.4										40	40	45	2			
44/ 43			.3	1.1	1.2	.8	1.0	.1										35	35	84	1			
42/ 41			.1	.8	1.4	1.2	.4											29	29	73	2			
40/ 39			.1	2.1	2.1	.1												32	32	95				
38/ 37				.8	1.4	1.0	.1											24	24	75	6			
36/ 35			.7	1.7	.4	.4												23	25	62	9			
34/ 33	.4	1.8	1.1	.7	.1													30	33	64	27			
32/ 31	.4	1.1	.7	.1	.4													20	21	78	34			
30/ 29	.3	2.4	.1	.1	.1													22	22	32	71			
28/ 27	.1	.3	.3	.6														9	10	24	69			
26/ 25	.6	.7	.6	.1														14	14	8	89			
24/ 23		.7	.1															6	6	14	73			
22/ 21	.3	.8	.1															9	9	12	70			
20/ 19																				7	64			
18/ 17																				1	47			
16/ 15																					46			
14/ 13																					31			
12/ 11																					18			
10/ 9																					26			
8/ 7																					12			
Element (X)	Σ X ²		Σ X		X̄		σ _x		No. Obs.		Mean No. of Hours with Temperature										Total			
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

PSYCHROMETRIC SUMMARY

66-74

112V
MONTH

PAGE 2 1200-1400
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OL A) REV. 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

66-74

NOV
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

[illegible]

5

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06-74

YEARS

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USAFETAC

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

94015 FORT CARSON CO/BUTTS AAF

47-74

MLV
MONTH

PAGE 1 1800-2400
HOURS (L. T. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb		Dew Point		
64/ 63											.4	.2						3	3				
62/ 61							.6											3	3				
60/ 59								.4	.4	.4	.2	.2						8	8				
58/ 57									.6	.2	.2							5	5				
56/ 55								.6	.4	.2	.2							8	8				
54/ 53						.4	.6	1.1	.8	.6								18	18				
52/ 51						.4	1.5	1.7	.9									24	24				
50/ 49					.6	1.9	2.1	.9	.8									33	33	3			
48/ 47				.2	.4	2.3	1.9	1.1	.2									32	32	1			
46/ 45			.2	.2	1.9	1.1	1.3											25	26	2			
44/ 43			.4	.2	1.7	1.3	.9											24	24	10			
42/ 41			.2	1.1	2.3	2.3	.6											36	36	21			
40/ 39			1.3	2.1	1.7	.6												31	31	40			
38/ 37		.6	1.9	1.3	2.4	1.1												39	39	63			
36/ 35		1.2	1.7	3.4	1.1	.2												41	41	58			
34/ 33		1.7	2.1	2.3	.6													37	37	53			
32/ 31	.4	2.1	2.6	1.3	.6													38	38	50			
30/ 29	1.3	3.6	1.9	.8	.2													39	39	69			
28/ 27	.4	3.4	1.3	.2														27	28	62			
26/ 25	.6	2.8	1.3	.4														27	27	39			
24/ 23		1.1	.2															7	7	19			
22/ 21	.6	.8																6	7	14			
20/ 19		.9	.6															9	9	6			
18/ 17		.8																4	4	8			
16/ 15		.4	.2															3	3	6			
14/ 13		.4	.2															3	3	3			
12/ 11			.2															1	1	2			
10/ 9																				1			
8/ 7																							
6/ 5																							
4/ 3																							
2/ -1																							
-2/ -3																							
Element (X)	ΣX^2		ΣX		\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature							Total					
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F							
Dry Bulb																							
Wet Bulb																							
Dew Point																							

PSYCHROMETRIC SUMMARY

67-74

24.5V
MONTH

PAGE 2 1800-2000
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
JUL 64
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94015 FORT CARSON CO/BUTTS AAF
STATION STATION NAME

67-74
YEARS

NOV
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
62/ 61						.3	.3			.3								3	3					
60/ 59										1.0								3	3					
58/ 57									.3	.3								2	2					
56/ 55							.3	.3										2	2					
54/ 53								1.0		.3								4	4					
52/ 51							.3	1.6	1.3									10	10	2				
50/ 49					.3	1.9	.3	.6	.3									11	11					
48/ 47							1.6	.3										6	6					
46/ 45				.3	1.0	1.6	.3	.6										12	12					
44/ 43					1.9	1.6	1.3	.3										17	17	3				
42/ 41			.3	3.2	2.3	2.3												25	25	8 2				
40/ 39			1.3	.3	2.9	.6	.3											17	17	12 1				
38/ 37		1.9	1.9	1.6	1.9													23	23	15				
36/ 35		.3	2.3	2.3	1.9	1.6												26	26	43 2				
34/ 33		.3	.3	2.3	3.2	1.3												24	24	31 10				
32/ 31		1.9	3.2	1.6	1.6													24	24	34 9				
30/ 29	1.0	3.9	3.2	.3														26	26	36 29				
28/ 27	1.0	4.9	1.9	.3														25	27	43 20				
26/ 25	1.0	3.2	1.9															19	19	31 19				
24/ 23		1.6	1.6															10	10	17 42				
22/ 21	.6	1.0																5	5	15 42				
20/ 19	.3																	1	1	5 34				
18/ 17		1.3																4	4					
16/ 15		1.3																4	4	4 26				
14/ 13		1.0																3	3	4 19				
12/ 11		.3																1	1	4 16				
10/ 9		.6																		3 17				
8/ 7																		2	2	1 12				
6/ 5																				2 3				
4/ 3																				3 1				
-2/ -3																				1 2				
TOTAL	4.9	25.6	20.4	12.9	14.2	8.4	4.9	4.9	1.9	1.9									311		309			
																		309			309			
Element (X)	Σ x ²	Σ x	X	x _s	No. Obs.	Mean No. of Hours with Temperature																		
Rel. Hum.	1235847	18501	59.9	20.496	309	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total												
Dry Bulb	422414	11048	35.9	9.828	311		36.5					90												
Wet Bulb	292390	9280	30.0	6.667	309		56.8					90												
Dew Point	155539	6583	21.3	7.047	309	.6	85.6					90												

5

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94015 FORT CARSON CO/BUTTS AAF

66-74

D: C

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21	22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb		Dew Point		
60/ 59										.2										1	1			
58/ 57										.2										1	1			
56/ 55									.2											1	1			
54/ 53									.2			.3								3	3			
52/ 51									.2	.3	.2									3	3			
50/ 49							.2													1	1			
48/ 47						.2	.3	.2	.5											7	7			
46/ 45		.2		.5	.2	.5	.5	.6	.2											16	16			
44/ 43					.3	.3	1.0	.3												18	18	1	1	
42/ 41				.2	.3	.2	.9													12	12	4		
40/ 39			.3	.3	1.7	1.4	1.4													33	33	4		
38/ 37		.2	.9	1.1	1.4	1.2	.2													32	32	5		
36/ 35		.2	1.1	1.8	2.0	1.2														41	41	13	1	
34/ 33		.3	.8	1.8	1.4	.2														29	29	20	2	
32/ 31		.5	.9	2.1	1.9	.5														36	36	49	3	
30/ 29	.5	1.1	2.7	2.7	.9															52	52	62	8	
28/ 27	.2	2.4	2.9	2.3	.3															55	55	56	10	
26/ 25	.2	1.5	2.4	2.0	.6															44	44	64	25	
24/ 23	1.4	1.5	2.0	.9																38	40	74	24	
22/ 21	.9	2.0	1.8	.8																35	36	50	42	
20/ 19	.6	2.7	2.3	.3																39	41	46	46	
18/ 17	.2	2.6	2.0	.2																34	34	47	34	
16/ 15	.3	2.6	.6																	23	23	33	61	
14/ 13	.2	1.2	.6																	13	13	26	42	
12/ 11	.5	2.9	.3																	24	24	18	45	
10/ 9	1.5	2.0	.2																	24	24	30	77	
8/ 7	.5	1.5																		13	13	19	81	
6/ 5	.5	2.0																		16	16	17	40	
4/ 3	1.1	1.2																		15	15	15	33	
2/ 1		.3																		7	2	6	28	
0/ -1																						2	23	
-2/ -3		.2																		1	1	1	12	
-4/ -5																							12	
-6/ -7	.2																			1	1	1	11	
Element (X)	$\Sigma X'$		ΣX		\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 6 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OL A) JUN 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

06-74

DLC
MONTH

PAGE 2 0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
-8/-9	.2																	2	2	2	1	
-12/-13																					4	
-14/-15																					2	
TOTAL	9.0	28.0	21.0	21.6	710.5	5.9	5.1	1.5	.9	.3	.3							665	670	665	665	
												</										

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94015 FORT CARSON CO/BUTTS AAF

06-74

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 1 0900-1100

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point		
66/ 65												.1	.1					2	2				
66/ 63												.1						1	1				
62/ 61											.2							2	2				
60/ 59								.1	.4	.1		.4						5	5				
58/ 57									.4	.5	.5							11	11				
56/ 55						.1			.3	.4	.4	.1						10	10				
54/ 53							.4	.3	.8	.5	.1							16	16				
52/ 51							.8	.7	.7	.5								20	20				
50/ 49			.1	.4	.4	.4	.9	.4	.3									22	22				
48/ 47			.1		.7	.8	2.0	.3	.1									30	30				
46/ 45				.3	.5	.9	1.0	1.7	.1	.1								36	36	4			
44/ 43					.4	1.4	1.7	.5										31	31	6			
42/ 41			.3		.7	2.4	.9	.1	.1									34	34	15			
40/ 39		.1		1.0	2.9	2.0	.8											52	52	26	1		
38/ 37		.1	.3	2.2	1.3	2.1	.3											48	48	37	2		
36/ 35		.3	1.2	1.2	2.2	.8												43	43	43	4		
34/ 33		.4	.9	2.1	2.1	.7												47	47	58	3		
32/ 31	.1	.4	1.4	1.8	2.0	.1												45	45	95	4		
30/ 29	.3	.5	1.5	2.9	1.0													48	48	69	18		
28/ 27	.1	1.2	1.5	1.6														34	34	65	14		
26/ 25		.9	2.1	1.2														32	34	70	30		
24/ 23	.6	2.2	2.5	.4	.1													46	47	63	42		
22/ 21	.7	1.4	.9	.1														24	25	46	58		
20/ 19	.3	2.2	.9	.1														27	27	37	61		
18/ 17	.5	1.3		.1														15	15	37	70		
16/ 15		1.6	.1															13	13	14	71		
14/ 13	.3	.9	.3															11	11	13	66		
12/ 11	.5	1.7																17	17	17	73		
10/ 9	.7	1.0																13	13	20	75		
8/ 7		.8																6	6	3	44		
6/ 5	.1	.5																5	5	8	33		
4/ 3	.1	.3																3	3	4	32		
2/ 1	.1	.4																4	4	3	16		
0/ -1	.1																	1	1	4	11		
Element (X)	ΣX ²			ΣX			X̄	σ _x	No. Obs.			Mean No. of Hours with Temperature										Total	
Rel. Hum.												≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F				Total		
Dry Bulb																							
Wet Bulb																							
Dew Point																							

PSYCHROMETRIC SUMMARY

65-74

YEARS

DLC
MONTH

PAGE 2 0900-1100
HOURS (L. S. T.)

USAFETAC
FORM 0-26.5 (OL A)
JUL 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94015 FORT CARSON CO/BUTTS AAF

66-74

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1200-1400

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31					Dry Bulb	Wet Bulb	Dew Point
72/ 71														.1							1	1		
70/ 69												.1	.1								2	2		
68/ 67													.3	.1							3	3		
66/ 65													.1								3	3		
64/ 63										.4	.4	.1	.3								9	9		
62/ 61							.3		.1	1.0	.2	.8	.1								19	19		
60/ 59						.1	.1	.8	.4	1.4	.3										21	21		
58/ 57						.1	.1	.7	1.0	1.1	.1										23	23		
56/ 55								.7	1.2	1.8	.4										30	30		
54/ 53						.1	.1	1.0	2.8	1.0											36	36		
52/ 51					.3	.4	.4	1.2	1.0	.8											30	30		
50/ 49				.1	.1	.1	.7	1.9	1.2	.1											32	32	3	
48/ 47					.1	1.0	1.5	2.1	.6												38	38	1	
46/ 45					1.0	1.9	2.1	1.9	.1												51	51	16	
44/ 43		.1	.1			.8	1.8	2.8	.4												44	44	27	
42/ 41			.1	.2	1.0	2.2	1.4	.2													38	38	25	1
40/ 39				1.1	2.4	1.7	.4														40	40	60	3
38/ 37			.4	1.2	2.2	1.5	.6														43	43	67	2
36/ 35			1.0	.7	2.1	1.5															38	38	65	3
34/ 33		.7	1.8	.5	.6	.4															31	31	78	6
32/ 31	.1	1.1	1.0	.4	.3																21	21	98	4
30/ 29	.4	.3	1.2	1.7	.4																29	29	59	19
28/ 27		1.4	1.2	1.1	.4																30	30	47	26
26/ 25	.4	1.9	.4	.4																	23	23	49	51
24/ 23	.3	1.9	.4	.1																	20	20	37	43
22/ 21	.3	1.0	.1																		10	10	24	62
20/ 19	.1	1.7																			13	13	14	67
18/ 17	.8	.4	.3																		9	9	17	74
16/ 15	.3	.8	.1																		9	9	7	66
14/ 13	.7	.6	.1																		10	10	12	60
12/ 11			.1																		1	1	4	61
10/ 9	.1	.6																			5	5	3	55
8/ 7		.6																			4	4	4	28
6/ 5	.1	.1																			2	2	5	31
Element (X)	Σ X ²		Σ X		X		Σ X		No. Obs.		Mean No. of Hours with Temperature												Total	
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F			
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OLA) JUL 64

REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

66-74

DLC
MONTH

PAGE 2

1200-1400
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

65-74

DEC
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

[illegible]

0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM 0-26-5 (OLA)

PSYCHROMETRIC SUMMARY

DEC
MONTH

HOURS (L. S. T.)

[illegible]

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94015 FORT CARSON CO/BUTTS AAF

7-74

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
60/ 59									.2	.2								2	2					
58/ 57											.4							2	2					
56/ 55											.2							1	1					
54/ 53								.2		.2								2	2					
52/ 51							.8	.2	.6	.8								12	12					
50/ 49							1.0	.2										6	6					
48/ 47							.6	1.2	.2									10	10					
46/ 45					.6	.8	2.5	.8										24	24					
44/ 43				.2	.6	1.7	1.2	.2										20	20	1				
42/ 41			.2	1.2	1.5	1.0	1.7	.2										30	30	1				
40/ 39				.4	1.9	1.9	.8	.2										27	27	5				
38/ 37			.8	1.0	1.7	2.3	.2											31	31	14				
36/ 35	.2		.6	1.7	1.7	1.3												29	29	32	1			
34/ 33		.2	1.3	1.7	1.7	1.0												31	31	40	1			
32/ 31	.4	.2	2.1	2.3	1.7	.6												40	40	45	4			
30/ 29	.4	1.5	1.3	1.9	1.2	.2												34	34	50	6			
28/ 27	.4	2.7	1.7	3.1	.4													43	43	56	22			
26/ 25	.2	2.7	2.3	2.3														45	45	52	15			
24/ 23	1.2	1.7	1.7	1.2														30	33	54	33			
22/ 21	.2	1.0	1.2	.4														14	14	56	48			
20/ 19	.2	1.0	1.3															13	13	18	47			
18/ 17	1.0	1.9	1.0															20	20	26	27			
16/ 15	.2	1.2	.2															8	8	15	37			
14/ 13	.4	.6	.2															6	6	11	44			
12/ 11	.6	1.0	.2															9	12	8	51			
10/ 9	1.2	1.0																11	12	14	56			
8/ 7	.2	.4																3	3	3	43			
6/ 5		.2																1	1	2	22			
4/ 3		.8																4	4	3	18			
2/ 1	.2	.4																3	3	3	11			
0/ -1	.4																	2	2	4	13			
-2/ -3		.4																2	2	2	7			
-4/ -5																					5			
-6/ -7	.4																	2	2	2				
Element (X)	Σ X'		Σ X		X̄		s _x		No. Obs.		Mean No. of Hours with Temperature										Total			
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

07-74

16 MONTH

PAGE 2 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15	16	17-18	19-20	21-22	23-24	25-26	27	28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point	
-8/-9	.0																				3	3	3	
-10/-11																							5	
-14/-15																							1	
TOTAL	8.0	18.7	7.3	13.1	10.6	7.7	3.8	1.2	1.2	.6											520	527	520	

USAFETAC
FORM
NW 44
0-26.5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

5

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94015 STATION FORT CARSON CO/BUITS AAF STATION NAME 67-74 YEARS D.C. MONTH

PAGE 1 2100-2300 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31		Dry Bulb	Wet Bulb	Dew Point
58/ 57											.7							2	2		
56/ 55										.7								2	2		
52/ 51										.7								2	2		
48/ 47							.7	.7	.3	.3								6	6		
46/ 45					.3	.3	1.3	1.0	.3									10	10		
44/ 43					1.0	1.3	1.0											10	10		
42/ 41					.3	1.0		.3										7	7		
40/ 39				1.3	2.0	1.3	.7											16	16	3	
38/ 37				1.3	3.3	2.0	.3											21	21	5	
36/ 35			1.0	1.3	3.0	1.0												19	19	10	
34/ 33	.3	.3	1.0	.7	2.0	.3												16	16	17	
32/ 31		.7	2.0	.7	2.0													16	16	27 1	
30/ 29	.3		3.0	3.0	.7													23	23	30 3	
28/ 27		1.3	1.0	3.0														18	18	24 8	
26/ 25	1.0	3.0	.7	3.3	.3													25	25	30 15	
24/ 23	1.3	2.3	3.2	.7														29	29	31 15	
22/ 21	1.0	2.0	1.0	1.3														20	21	28 21	
20/ 19	.3	1.3	1.0															10	10	28 34	
18/ 17		1.3	.7															6	6	18 18	
16/ 15	.3	2.3	.7															10	10	9 21	
14/ 13		1.0	.7															5	5	7 22	
12/ 11	1.0	.7	.7															7	7	10 24	
10/ 9	1.0	1.0																10	10	10 35	
8/ 7	.7	.7																4	4	5 31	
6/ 5																				2 17	
4/ 3	.3																	1	1	1 13	
2/ 1	.3	1.3																5	5	7 6	
0/ -1																				3 7	
-2/ -3		1.0																3	3	3 5	
-6/ -7																				1 1	
-8/ -9	.7																	2	2	2 5	
-10/-11																				1 1	
-16/-17																				2 2	
Element (X)	Σx^2		Σx		\bar{x}		σ_x		No. Obs.		Mean No. of Hours with Temperature							Total			
Rel. Hum.											$\leq 0 F$	$\leq 32 F$	$\approx 67 F$	$\approx 73 F$	$\approx 80 F$	$\approx 93 F$					
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

57-74

DLC
MONTH

PAGE 2 2100-2300
HOURS (L. S. T.)

[illegible]0-26-5 (QLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
FORM
4-2

USAFETAC

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

94015 FORT CARSON CO/BUTTS AAF

66-75

STATION		STATION NAME												YEARS	
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
00-02	MEAN								61.2	56.6				57.8	
	S D								8.954	2.476				5.279	
	TOTAL OBS								6	16				22	
03-05	MEAN	28.3	26.4	31.9	37.5	46.1	54.8	60.4	59.9	51.2	43.9	34.4		50.0	
	S D	12.209	7.848	11.476	9.228	7.466	6.404	4.257	4.538	6.790	9.199	5.716		11.980	
	TOTAL OBS	29	38	60	69	181	189	202	222	195	165	20		1370	
06-08	MEAN	25.8	27.6	32.7	40.9	51.9	61.4	66.4	64.1	54.3	44.6	33.7	26.1	44.9	
	S D	13.448	8.907	11.387	10.129	9.108	8.295	6.563	6.124	8.625	10.004	9.983	11.466	17.492	
	TOTAL OBS	688	622	715	672	749	747	752	781	697	760	642	670	8495	
09-11	MEAN	32.5	36.8	41.9	50.6	61.4	71.8	76.9	75.3	65.1	54.4	42.4	33.3	53.9	
	S D	14.054	10.507	13.332	11.408	10.876	10.122	8.063	7.841	10.838	12.829	11.517	12.987	19.365	
	TOTAL OBS	771	696	791	755	797	787	796	817	750	801	750	766	9277	
12-14	MEAN	39.7	44.2	47.8	55.6	65.8	76.5	81.1	80.3	70.7	60.3	49.1	40.5	59.8	
	S D	15.117	11.368	14.043	12.236	10.939	9.833	8.132	8.033	10.818	12.970	12.311	13.268	18.844	
	TOTAL OBS	754	689	791	741	805	785	795	813	745	783	743	722	9166	
15-17	MEAN	38.4	44.5	48.8	56.1	65.5	76.3	78.9	79.0	70.5	59.7	46.8	38.0	58.9	
	S D	15.287	11.584	14.209	12.559	10.847	10.226	8.887	8.381	10.795	12.545	12.126	13.000	18.922	
	TOTAL OBS	711	635	728	701	699	711	714	739	672	717	668	654	8349	
18-20	MEAN	30.0	35.8	40.3	49.1	59.8	70.1	72.6	72.0	62.2	51.2	38.4	30.4	52.1	
	S D	14.033	10.229	12.143	11.427	10.104	9.983	7.759	7.222	9.396	10.627	10.189	11.811	18.656	
	TOTAL OBS	580	523	610	580	654	657	641	678	595	606	534	527	7185	
21-23	MEAN	27.4	32.3	35.7	44.0	55.2	64.8	65.1	67.9	58.2	47.1	35.5	28.0	43.2	
	S D	13.337	9.707	11.222	9.711	8.181	8.290	6.329	5.452	8.058	10.302	9.828	11.620	17.433	
	TOTAL OBS	300	274	293	262	148	147	167	180	138	177	311	306	2723	
ALL HOURS	MEAN	33.0	37.4	41.8	50.0	60.1	70.3	74.3	73.2	63.7	53.4	41.8	33.4	53.3	
	S D	15.249	12.216	14.267	12.813	11.773	11.485	9.838	9.835	11.928	13.243	12.557	13.545	19.325	
	TOTAL OBS	3833	3477	3988	3780	4033	4022	4067	4236	3828	4009	3668	3645	46587	

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

94015 FORT CARSON CO/BUTTS AAF 66-75

STATION		STATION NAME								YEARS				
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	MEAN								54.5	53.8				54.0
	S D								2.739	2.455				2.488
	TOTAL OBS								6	16				22
03-05	MEAN	23.8	22.1	26.4	31.0	39.4	47.5	53.2	52.5	45.7	37.9	30.7		43.5
	S D	9.729	6.183	8.045	6.552	5.946	5.193	3.382	3.588	5.780	6.492	4.900		10.493
	TOTAL OBS	29	38	60	69	181	189	202	222	195	165	20		1370
06-08	MEAN	21.5	23.2	27.1	33.8	43.0	50.9	56.1	54.5	46.6	37.7	28.6	21.6	37.7
	S D	10.846	6.520	7.528	6.814	5.862	4.956	3.647	3.812	5.781	6.691	6.881	8.788	14.124
	TOTAL OBS	687	616	714	672	748	747	752	780	696	745	615	665	8437
09-11	MEAN	26.3	29.3	32.7	38.9	47.3	54.5	59.7	58.4	51.3	42.8	34.0	26.6	42.1
	S D	10.399	6.709	7.817	6.587	5.799	5.042	3.556	3.499	5.562	7.258	6.839	8.946	13.599
	TOTAL OBS	768	695	790	755	797	784	796	817	750	790	724	762	9228
12-14	MEAN	30.9	33.2	35.8	41.1	49.0	55.5	60.5	59.1	53.0	45.2	37.4	31.1	44.7
	S D	10.213	6.631	7.621	6.627	5.496	4.802	3.493	3.338	5.408	6.816	6.571	8.245	12.335
	TOTAL OBS	752	689	791	741	804	784	795	813	743	773	722	722	9131
15-17	MEAN	30.1	33.4	36.3	41.1	48.8	55.3	59.9	58.7	53.0	44.9	36.4	29.7	44.2
	S D	10.531	6.547	7.494	6.456	5.220	4.686	3.839	3.162	5.268	6.588	6.716	8.553	12.422
	TOTAL OBS	708	635	727	701	699	710	714	738	672	708	650	650	8312
18-20	MEAN	24.6	28.5	31.7	37.8	46.6	53.4	58.2	57.0	50.2	41.6	31.8	24.9	41.4
	S D	10.719	6.582	6.983	6.579	5.554	5.093	3.288	3.315	5.657	6.425	6.511	8.545	13.518
	TOTAL OBS	580	522	610	580	654	657	641	677	595	605	531	520	7172
21-23	MEAN	22.7	26.4	29.1	35.2	44.1	50.8	56.2	55.5	49.1	39.8	30.0	23.2	35.4
	S D	10.564	6.691	6.828	6.221	5.609	5.147	3.413	3.267	5.700	6.564	6.667	8.734	13.457
	TOTAL OBS	300	272	292	262	148	147	167	180	158	175	309	305	2715
ALL HOURS	MEAN	26.5	29.3	32.4	38.3	46.5	53.5	58.5	57.2	50.5	42.2	33.5	26.6	41.7
	S D	11.094	7.591	8.213	7.184	6.206	5.392	4.097	3.978	6.103	7.331	7.420	9.283	13.454
	TOTAL OBS	3824	3467	3984	3780	4031	4018	4067	4233	3827	3961	3571	3624	46387

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

94015 FORT CARSON CO/BUTTS AAF

66-75

STATION		STATION NAME										YEARS		
HRS (LST)		JAN	FEB	MAR.	APR.	MAY	JUN.	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	MEAN								49.5	51.9				51.2
	S D								1.645	4.815				4.287
	TOTAL OBS								6	16				22
03-05	MEAN	15.0	12.4	17.1	20.9	31.2	40.8	47.6	46.7	40.6	30.8	24.9		36.7
	S D	10.151	7.244	7.357	8.161	9.464	7.976	6.974	6.370	7.840	7.093	6.596		12.762
	TOTAL OBS	29	38	60	69	181	189	202	222	195	165	20		1370
06-08	MEAN	12.2	13.3	17.2	23.8	33.5	42.1	49.8	47.4	39.5	29.5	20.0	11.8	29.0
	S D	10.965	7.498	7.316	8.906	8.903	7.717	6.950	6.365	7.635	7.596	7.114	8.738	15.532
	TOTAL OBS	687	616	714	672	748	747	752	780	696	745	615	605	8437
09-11	MEAN	15.3	16.4	19.0	24.0	33.6	41.4	48.7	47.2	40.0	30.7	22.2	14.2	29.7
	S D	10.145	7.585	8.098	9.855	9.828	8.652	7.849	6.947	7.926	8.259	7.238	8.551	14.797
	TOTAL OBS	768	695	790	735	797	784	796	817	750	790	724	761	9227
12-14	MEAN	17.5	16.0	19.3	23.5	33.0	39.5	47.5	45.3	38.8	29.8	22.2	16.1	29.4
	S D	9.725	8.711	8.874	10.000	10.403	9.595	8.641	7.635	8.739	9.063	7.881	8.319	14.302
	TOTAL OBS	752	689	791	741	804	784	795	813	745	773	722	722	9131
15-17	MEAN	17.1	16.3	19.2	23.1	33.1	39.2	47.8	45.3	38.7	29.8	22.6	15.7	29.3
	S D	9.682	8.451	8.517	9.967	10.374	9.618	9.265	7.444	8.674	8.851	7.060	8.631	14.282
	TOTAL OBS	708	635	727	701	699	710	714	738	672	708	650	630	8312
18-20	MEAN	14.4	15.8	18.7	23.2	33.5	40.0	48.5	46.7	40.0	31.2	21.9	13.9	29.8
	S D	10.399	7.361	7.792	9.588	9.997	9.583	8.187	7.003	8.379	7.994	6.845	8.410	14.886
	TOTAL OBS	580	522	610	580	654	657	641	677	595	605	531	520	7172
21-23	MEAN	12.4	15.3	18.1	23.0	32.2	38.7	47.6	46.5	41.0	31.3	21.3	13.2	25.
	S D	10.437	7.217	7.731	8.965	9.747	8.899	7.817	6.539	8.462	7.212	7.047	8.508	14.42
	TOTAL OBS	300	272	292	262	148	147	167	180	158	175	309	305	27
ALL HOURS	MEAN	15.2	15.5	18.6	23.5	33.2	40.4	48.2	46.4	39.6	30.3	21.6	14.3	29
	S D	10.367	8.053	8.152	9.619	9.895	9.058	8.129	7.084	8.311	8.304	7.296	8.659	14.
	TOTAL OBS	3824	3467	3984	3780	4031	4018	4007	4233	3827	3961	3571	3623	46

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

94015 FORT CARSON CO/BUTTS AAF
STATION STATION NAME

66-75
PERIOD

ALL
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	99.6	95.9	86.7	71.3	55.2	38.8	24.3	12.2	3.7	54.3	3824
FEB		99.0	90.7	76.7	60.2	44.1	29.0	17.7	8.8	2.8	48.5	3467
MAR		97.5	86.1	72.7	57.6	44.8	33.8	23.7	13.1	5.7	49.0	3984
APR		97.4	82.9	65.7	49.5	37.5	26.3	16.7	8.5	3.5	44.4	3780
MAY		97.9	84.6	66.8	50.7	37.1	26.7	16.1	8.9	3.3	44.8	4031
JUN		97.5	84.5	63.4	45.8	30.4	20.1	12.8	5.4	2.6	42.0	4018
JUL		98.4	90.6	75.8	59.4	42.5	28.5	16.5	8.8	2.8	48.0	4067
AUG		99.8	91.9	76.3	60.0	39.0	27.5	18.3	13.3	9.3	49.0	4233
SEP		99.5	92.0	78.7	64.8	51.2	39.9	30.7	22.4	12.5	54.9	3827
OCT		98.9	91.4	75.8	60.2	45.2	33.5	22.7	14.5	7.3	50.6	3961
NOV		99.2	93.7	81.9	69.3	55.1	39.1	28.4	15.3	5.3	54.2	3571
DEC		99.3	93.4	80.7	64.0	47.6	34.8	22.7	12.4	5.0	51.4	3623
TOTALS		98.7	89.8	75.1	59.4	44.1	31.5	20.9	12.1	5.3	49.3	46386

5
DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

94015 FJRT CARSON CO/BUTTS AAF

67-75

JAN

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02											
	03-05	100.0	100.0	96.6	79.3	69.0	48.3	37.9	17.2		60.5	29
	06-08	100.0	98.3	94.0	84.6	64.3	45.7	29.4	16.2	5.5	59.4	687
	09-11	100.0	96.7	87.4	68.5	47.5	33.5	22.1	13.5	5.9	53.0	768
	12-14	98.9	89.8	72.9	52.7	36.2	25.8	14.5	7.3	2.9	45.6	752
	15-17	99.0	90.5	74.6	56.5	39.7	28.1	15.3	7.1	2.7	46.9	708
	18-20	99.5	96.9	88.3	76.4	61.0	41.6	24.8	12.2	4.0	56.0	580
	21-23	99.7	99.0	93.3	81.3	69.0	48.7	26.0	12.0	4.7	58.9	300
TOTALS		99.6	95.9	86.7	71.3	55.2	38.8	24.3	12.2	3.7	54.3	3824

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

67-75
PERIOD

FEB
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02											
	03-05	100.0	97.4	94.7	86.8	68.4	36.8	21.1	7.9		57.6	38
	06-08	99.8	97.7	92.7	82.1	62.8	42.3	27.3	13.1	3.7	57.8	616
	09-11	99.6	93.1	77.3	57.1	42.2	25.8	15.5	7.9	2.3	47.8	695
	12-14	96.7	77.5	55.9	35.7	23.9	14.4	8.9	4.5	1.5	37.4	689
	15-17	97.2	77.6	52.1	33.9	24.6	17.2	12.0	6.1	2.0	37.7	635
	18-20	99.6	93.1	76.6	57.1	38.5	28.5	17.8	10.0	5.4	48.4	522
	21-23	100.0	98.2	87.5	68.4	48.5	37.1	21.0	11.8	4.4	53.0	272
TOTALS		99.0	90.7	76.7	60.2	44.1	29.0	17.7	8.8	2.8	48.5	3467

RELATIVE HUMIDITY

MAP
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	00-02							-				
	03-05	100.0	98.3	93.3	73.3	61.7	45.0	35.0	15.0	5.7	58.3	60
	06-08	99.9	95.5	87.1	74.1	61.1	47.6	33.6	18.8	6.9	57.8	714
	09-11	96.7	85.9	69.2	52.5	40.3	29.7	19.7	11.5	4.6	46.6	790
	12-14	94.2	73.5	55.4	41.5	29.0	20.5	13.7	6.6	2.8	39.2	791
	15-17	93.5	70.2	52.3	38.4	27.1	20.4	14.0	9.1	4.3	38.3	727
	18-20	98.9	87.0	69.5	54.9	43.3	32.5	21.5	13.4	5.2	43.3	610
	21-23	99.3	92.5	82.2	68.8	51.4	40.8	28.1	17.5	9.6	54.4	292
TOTALS		97.5	86.1	72.7	57.6	44.8	33.8	23.7	13.1	5.7	49.0	3954

RELATIVE HUMIDITY

APR

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	00-02											
	03-05	100.0	98.6	91.3	69.6	56.5	36.2	26.1	10.1	7.2	54.9	69
	06-08	99.6	95.5	84.1	69.9	55.7	42.4	27.4	16.7	6.8	55.5	672
	09-11	97.2	81.3	60.1	42.3	30.1	21.1	12.8	7.2	3.2	41.2	755
	12-14	95.1	68.8	45.2	31.8	21.7	13.8	6.9	4.7	1.1	34.5	741
	15-17	92.2	65.3	42.5	30.1	22.5	15.7	8.4	5.4	1.9	34.1	701
	18-20	97.9	80.7	61.7	45.2	32.9	22.9	13.3	7.9	2.2	42.1	580
	21-23	99.6	90.1	75.2	57.3	43.1	32.1	19.8	7.6	1.9	48.3	202
TOTALS		97.4	82.9	65.7	49.5	37.5	26.3	16.7	9.5	3.5	44.4	3780

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

94015 FORT CARSON CO/BUITS AAF
STATION STATION NAME

67-75
PERIOD

MAY
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00-02											
	03-05	100.0	97.8	91.2	77.3	61.9	50.3	34.8	21.5	8.3	60.0	181
	06-08	99.6	96.4	84.2	67.2	51.9	38.1	26.3	14.8	6.1	54.1	748
	09-11	97.7	82.7	59.1	43.2	29.2	19.6	11.9	6.9	2.9	40.8	797
	12-14	74.9	71.5	46.8	33.0	20.1	13.1	7.2	3.9	1.9	34.8	804
	15-17	94.6	71.1	48.5	33.6	22.7	15.0	8.0	3.9	2.5	35.6	699
	18-20	98.2	82.4	63.5	46.2	34.6	23.5	12.8	6.6	1.8	42.6	654
	21-23	100.0	90.5	74.3	54.1	39.2	27.0	11.5	4.7		45.7	148
TOTALS		87.9	84.6	66.8	50.7	37.1	26.7	16.1	8.9	3.3	44.8	4031

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

67-75
PERIOD

JUN
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02											
	03-05	100.0	99.5	95.8	89.4	69.3	49.7	33.3	16.9	6.9	61.6	189
	06-08	99.6	98.0	86.0	69.5	49.0	33.3	21.0	10.6	5.0	53.0	747
	09-11	96.0	84.9	55.6	34.2	20.3	12.0	7.7	4.3	2.4	37.6	784
	12-14	95.0	69.0	37.4	21.2	11.9	6.5	3.1	2.3	1.7	30.4	784
	15-17	94.4	66.6	36.3	22.8	13.2	8.9	5.4	2.8	.4	30.7	710
	18-20	97.1	81.9	57.1	37.9	23.0	15.7	9.1	4.6	.9	38.3	657
	21-23	98.6	91.8	73.5	45.6	25.2	14.3	10.2	3.4	.7	41.9	147
TOTALS		97.5	84.5	63.4	45.8	30.4	20.1	12.8	6.4	2.0	42.0	4018

RELATIVE HUMIDITY

7-75

300
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02											
	03-05	100.0	98.5	95.0	91.6	78.2	63.9	38.1	20.8	6.9	65.6	202
	06-08	100.0	97.3	91.1	79.7	61.4	40.8	22.1	12.5	4.5	55.6	752
	09-11	98.7	90.5	68.0	44.8	28.1	14.1	7.3	3.9	1.4	41.1	796
	12-14	96.5	79.9	53.5	31.1	16.2	8.4	4.2	2.1	1.1	34.8	795
	15-17	96.1	82.2	60.2	40.8	22.0	13.0	8.2	5.0	1.5	38.5	714
	18-20	98.4	91.3	76.3	59.3	40.6	26.2	16.5	7.8	1.1	47.3	641
	21-23	98.8	94.6	86.2	68.3	50.2	32.9	19.2	9.0	1.2	51.8	157
TOTALS		98.4	90.6	75.9	59.4	42.5	28.5	16.5	3.8	2.8	47.0	4067

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/HAC

RELATIVE HUMIDITY

94015
STATION

FORT CARSON CO/BUYTS AAF
STATION NAME

67-75

PERIOD

AUG
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00-02	100.0	100.0	100.0	100.0	50.0	50.0	50.0	50.0	50.0	69.7	6
	03-05	100.0	100.0	97.7	89.6	73.9	56.8	36.0	20.7	7.7	64.2	222
	06-08	100.0	99.5	94.4	81.2	62.4	40.9	23.1	11.9	5.0	57.4	780
	09-11	99.9	92.0	65.7	41.6	24.5	14.0	7.0	3.7	1.7	40.5	817
	12-14	96.9	74.9	43.2	25.3	13.2	7.0	4.6	2.7	1.4	32.6	813
	15-17	99.2	74.9	47.4	31.4	15.4	8.5	4.9	3.5	1.5	34.2	738
	18-20	100.0	95.4	72.1	49.0	33.1	19.2	9.5	6.8	3.5	44.3	677
	21-23	100.0	98.3	90.0	61.7	39.4	23.9	11.1	7.2	3.3	49.0	160
TOTALS		99.8	91.9	76.3	60.0	39.0	27.5	18.3	13.3	9.3	49.0	4233

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

66-74
PERIOD

SEP
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00-01	100.0	100.0	100.0	100.0	93.8	81.3	81.3	81.3	50.3	86.0	16
	03-05	100.0	99.5	98.5	92.8	77.4	67.7	50.3	34.9	15.4	69.9	195
	06-08	99.9	99.3	93.4	80.3	63.1	49.6	37.2	23.1	11.1	61.3	696
	09-11	99.9	88.9	67.2	46.7	36.4	25.6	16.0	9.5	3.3	45.0	750
	12-14	98.7	76.4	49.7	34.0	22.0	12.5	5.2	2.6	1.6	35.8	745
	15-17	77.5	78.1	51.0	32.7	19.9	12.1	6.7	4.8	1.5	36.1	672
	18-20	99.8	95.5	78.3	57.6	41.3	28.4	17.1	9.1	2.5	48.2	595
	21-23	100.0	98.1	91.1	72.2	55.7	41.8	31.6	15.2	6.2	56.9	158
TOTALS		99.5	92.0	78.7	64.8	51.2	39.9	30.7	22.4	12.5	54.9	3827

USAFETAC

FORM
JUL 64

0-67-5 (OL A)

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

94015
STATION

FORT CARSON CO/BUTTS AAF
STATION NAME

66-74
PERIOD

OCT
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	02-02											
	03-05	100.0	98.8	97.0	87.3	69.7	55.2	35.8	24.8	10.3	63.4	165
	06-08	99.9	98.0	91.4	78.9	63.6	48.6	32.3	18.5	9.6	59.6	745
	09-11	98.6	90.5	69.7	50.4	36.3	26.1	17.1	10.9	6.6	46.3	790
	12-14	90.5	77.9	49.2	34.2	23.0	15.5	9.2	7.4	5.4	37.4	773
	15-17	97.3	80.8	50.0	33.8	23.0	16.0	11.3	7.5	4.5	38.0	708
	18-20	99.7	95.9	82.0	60.2	43.8	31.2	22.3	12.9	6.1	51.1	605
	21-23	100.0	97.7	80.4	76.6	57.1	41.7	30.9	19.4	8.6	58.2	175
TOTALS		98.9	91.4	75.8	60.2	45.2	33.5	22.7	14.5	7.3	50.6	3961

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/HAC

RELATIVE HUMIDITY

94015 FORT CARSON CO/BUTTS AAF
STATION STATION NAME

66-74

PERIOD

NOV
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	02-02											
	03-05	100.0	100.0	100.0	100.0	90.0	60.0	55.0	25.0	5.0	69.2	20
	06-08	99.8	99.5	92.7	80.3	66.3	50.2	35.1	17.9	8.5	60.5	615
	09-11	99.3	93.1	77.1	59.5	45.7	32.2	19.8	11.6	5.4	49.8	724
	12-14	96.5	81.4	58.9	42.2	29.1	18.6	13.3	7.5	2.0	40.6	7.2
	15-17	98.8	86.8	66.0	49.5	34.2	22.9	15.7	8.8	3.4	44.1	650
	18-20	100.0	96.4	87.0	72.5	55.7	41.2	27.3	16.4	4.5	55.6	531
	21-23	100.0	99.0	91.3	80.9	65.0	48.5	32.4	19.7	7.4	59.9	309
TOTALS		99.2	93.7	81.9	60.3	55.1	39.1	28.4	15.3	5.3	54.2	3571

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34015
STATION

FORT CARSON CU/BUTTS AAF
STATION NAME

60-74
PERIOD

DEC
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	00-02											
	03-05											
	06-08	99.7	98.2	90.2	80.6	63.2	45.6	29.3	14.7	5.0	58.3	665
	09-11	98.9	92.9	80.4	62.0	47.6	32.7	19.8	9.5	3.4	50.2	761
	12-14	98.2	84.3	63.6	44.5	32.3	25.1	16.9	8.9	3.0	43.1	722
	15-17	99.2	89.4	69.5	50.3	36.3	26.3	17.2	9.8	4.3	45.6	650
	18-20	100.0	97.1	86.5	68.7	51.0	36.0	24.4	15.8	6.9	54.3	520
	21-23	100.0	98.4	93.8	78.0	55.1	43.0	28.5	15.7	7.2	57.1	305
TOTALS		99.3	93.4	80.7	64.0	47.6	34.8	22.7	12.4	5.0	51.4	3623

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART F

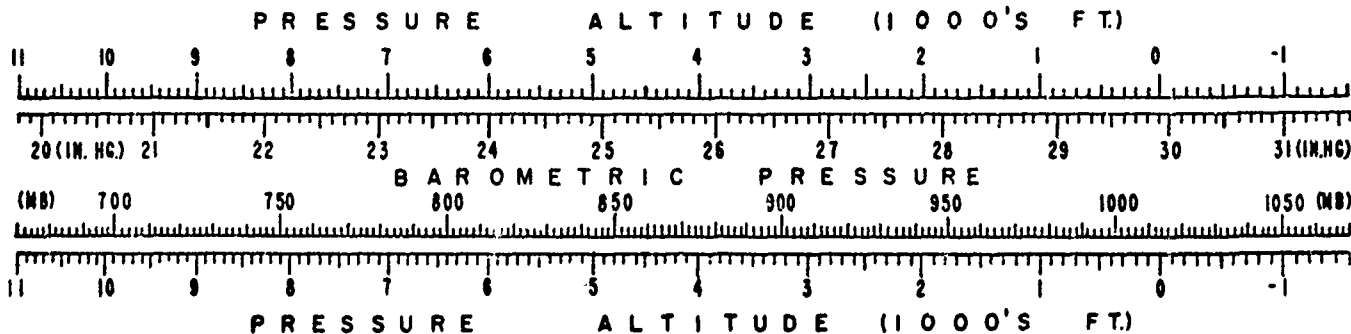
PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.
METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

94015 FORT CARSON CO/DUTTS AAF

66-75

STATION		STATION NAME												YEARS	
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
02	MEAN S D TOTAL OBS								24.300 2	24.410 .064 6				24.382 .088 8	
05	MEAN S D TOTAL OBS	24.103 .136 28	24.151 .162 36	24.044 .167 74	24.066 .189 74	24.193 .155 192	24.246 .131 193	24.336 .086 208	24.326 .076 223	24.311 .119 203	24.276 .161 168	24.205 .101 10		24.252 .158 1409	
08	MEAN S D TOTAL OBS	24.146 .167 264	24.184 .168 231	24.126 .170 268	24.132 .188 260	24.217 .153 272	24.252 .134 276	24.359 .090 275	24.345 .081 280	24.320 .126 248	24.274 .160 277	24.218 .174 240	24.136 .185 250	24.228 .173 3141	
11	MEAN S D TOTAL OBS	24.144 .177 270	24.181 .175 241	24.124 .173 282	24.116 .202 275	24.191 .160 279	24.236 .134 268	24.347 .089 276	24.340 .085 274	24.308 .129 245	24.271 .163 273	24.218 .179 260	24.134 .193 262	24.217 .178 3205	
14	MEAN S D TOTAL OBS	24.097 .174 298	24.124 .171 234	24.070 .179 287	24.079 .187 266	24.157 .152 297	24.193 .138 292	24.320 .089 310	24.302 .087 295	24.263 .132 244	24.219 .168 268	24.173 .178 251	24.089 .189 248	24.177 .177 3250	
17	MEAN S D TOTAL OBS	24.111 .171 229	24.131 .168 207	24.074 .161 238	24.074 .179 234	24.145 .154 238	24.188 .141 243	24.304 .088 257	24.286 .084 253	24.263 .128 203	24.229 .166 228	24.184 .174 203	24.114 .186 202	24.177 .171 2737	
20	MEAN S D TOTAL OBS	24.136 .172 203	24.165 .165 190	24.105 .169 220	24.114 .188 203	24.182 .151 226	24.216 .131 228	24.336 .090 228	24.320 .084 237	24.302 .127 199	24.262 .168 202	24.211 .173 180	24.127 .192 182	24.209 .172 2498	
23	MEAN S D TOTAL OBS						24.330 1		24.310 2	24.420 .061 5				24.381 .096 8	
ALL HOURS	MEAN S D TOTAL OBS	24.126 .173 1252	24.157 .171 1139	24.097 .172 1369	24.101 .191 1312	24.181 .156 1504	24.221 .137 1503	24.334 .090 1554	24.320 .086 1566	24.296 .129 1333	24.254 .166 1416	24.201 .176 1144	24.120 .189 1144	24.206 .175 16256	

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATION

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

94015 FORT CARSON CO/BUTTS AAF

06-75

STATION		STATION NAME												YEARS	
HRS. (LST)		JAN	FEB.	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
02	MEAN S D TOTAL OBS								013.4 3.166 2	019.0 3.166 5				1017.6 5.326 8	
05	MEAN S D TOTAL OBS	016.2 5.813 26	016.7 9.056 34	010.5 8.240 61	009.9 9.833 69	012.6 7.798 181	012.3 5.944 187	015.0 4.282 204	014.5 3.634 217	016.0 6.324 183	016.9 7.815 164	017.4 4.179 5		1014.2 6.779 1331	
08	MEAN S D TOTAL OBS	018.7 9.005 243	019.4 8.216 218	015.3 8.605 250	012.9 9.297 245	013.5 7.300 266	012.4 5.961 265	015.6 4.366 271	015.4 3.798 272	016.6 6.546 233	018.0 7.720 265	019.3 8.413 233	018.6 8.630 237	1016.2 7.822 2998	
11	MEAN S D TOTAL OBS	017.9 8.920 258	018.3 8.268 232	014.4 8.560 264	011.7 9.196 254	012.1 7.506 264	011.2 6.096 264	014.7 4.356 268	014.7 4.091 270	015.6 6.734 238	017.0 7.794 267	018.6 8.509 252	017.7 8.689 252	1015.3 7.940 3083	
14	MEAN S D TOTAL OBS	015.3 9.007 232	015.4 8.131 229	012.2 8.686 264	010.1 9.139 250	010.6 7.445 268	009.8 6.120 261	013.7 4.304 268	013.3 4.205 268	013.6 6.789 237	014.7 7.828 260	016.2 8.442 247	015.1 8.644 241	1013.3 7.814 3045	
17	MEAN S D TOTAL OBS	016.8 8.970 220	016.3 8.012 194	012.2 8.487 220	010.1 9.108 220	010.3 7.448 217	009.4 6.180 218	013.5 4.368 221	012.9 4.136 226	013.9 5.665 196	015.4 7.868 225	017.4 8.335 199	017.0 8.765 196	1013.7 7.985 2552	
20	MEAN S D TOTAL OBS	018.2 8.935 194	018.6 8.110 173	014.6 8.370 204	011.7 9.393 192	011.8 7.501 215	010.4 5.974 216	014.6 4.579 209	014.3 4.178 220	015.9 6.690 188	017.3 8.057 193	018.9 8.345 179	018.2 8.510 176	1015.2 7.988 2359	
23	MEAN S D TOTAL OBS								013.7 3.986 2	019.6 3.986 5				1017.9 5.939 7	
ALL HOURS	MEAN S D TOTAL OBS	017.3 8.981 1193	017.5 8.299 1080	013.6 8.641 1263	011.2 9.304 1230	011.8 7.553 1411	010.9 6.148 1411	014.5 4.429 1441	014.2 4.114 1477	015.3 6.704 1286	016.5 7.916 1374	018.0 8.467 1115	017.3 8.734 1102	1014.7 7.883 15383	